

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080923\
 Data File : VL040610.D
 Acq On : 9 Aug 2023 17:57
 Operator : SY/MD
 Sample : 03907-02 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1

Quant Time: Aug 10 01:30:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Jul 10 16:32:00 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.192	49	1036200	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.658	114	2615163	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2474096	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	2028976	10.362	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.719	85	38884	0.188	ppbv	99
3) Chlorodifluoromethane	2.664	51	20570	0.125	ppbv	98
4) Chloromethane	2.800	50	19267	0.296	ppbv	89
6) Bromomethane	3.108	94	1055	0.037	ppbv #	80
7) Chloroethane	3.189	64	14265	0.595	ppbv	94
9) Propene	2.681	41	5036067	89.565	ppbv	99
10) Heptane	7.587	43	374499	3.016	ppbv	100
11) Trichlorofluoromethane	3.558	101	662701	3.962	ppbv	95
12) 1,1,2-Trichlorotrifluo...	4.066	101	4128	0.035	ppbv #	62
13) Ethanol	3.237	45	88792	7.258	ppbv	97
15) Acetone	3.459	43	2486829	20.850	ppbv	95
16) 1,3-Butadiene	3.002	39	536994	8.924	ppbv #	8
17) tert-Butyl alcohol	3.877	59	180848	1.466	ppbv	99
19) Isopropyl Alcohol	3.610	45	517193	7.553	ppbv #	96
20) Methylene Chloride	3.928	84	2500912	49.293	ppbv	98
21) Allyl Chloride	3.980	41	49229	0.723	ppbv #	1
23) Vinyl Acetate	4.607	43	267193	2.351	ppbv #	1
25) Ethyl Acetate	5.214	43	1697621	7.476	ppbv #	76
26) Hexane	5.217	57	2508291	23.777	ppbv #	41
27) Carbon Disulfide	4.121	76	444009	3.578	ppbv	97
28) Methyl tert-Butyl Ether	4.590	73	213447	2.513	ppbv	98
29) Chloroform	5.279	83	334467	1.912	ppbv	99
30) Cyclohexane	6.606	84	125183	1.426	ppbv	85
31) cis-1,2-Dichloroethene	5.073	61	5711	0.055	ppbv #	80
34) 2-Butanone	4.787	43	448224	3.469	ppbv	100
36) Benzene	6.375	78	384131	1.826	ppbv	100
37) 1,2-Dichloroethane	5.809	62	4532	0.037	ppbv #	81
38) Trichloroethene	7.301	130	251933	3.165	ppbv	95
39) 1,2-Dichloropropane	6.658	63	680533	8.401	ppbv #	26
41) Tetrahydrofuran	5.500	42	34242	0.454	ppbv #	39
42) Bromodichloromethane	7.259	83	35449	0.206	ppbv #	45
44) 2,2,4-Trimethylpentane	7.336	57	2654242	7.840	ppbv #	79
50) 4-Methyl-2-Pentanone	8.188	43	886892	4.724	ppbv	97
51) 2-Hexanone	9.555	43	125000	0.941	ppbv #	28
52) Tetrachloroethene	10.626	164	1647044	24.170	ppbv	97
53) Toluene	9.230	91	3707051	16.219	ppbv	99
58) Ethyl Benzene	12.101	91	406862	1.310	ppbv	95
59) m/p-Xylene	12.355	91	931311	3.361	ppbv	97
60) o-Xylene	13.069	91	359692	1.363	ppbv	98
61) Styrene	12.908	104	11034	0.091	ppbv #	1
62) Isopropylbenzene	14.040	105	25712	0.065	ppbv	92
64) n-propylbenzene	14.931	120	4724	0.046	ppbv #	1
73) 1,3,5-Trimethylbenzene	15.365	105	14379	0.053	ppbv #	29

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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

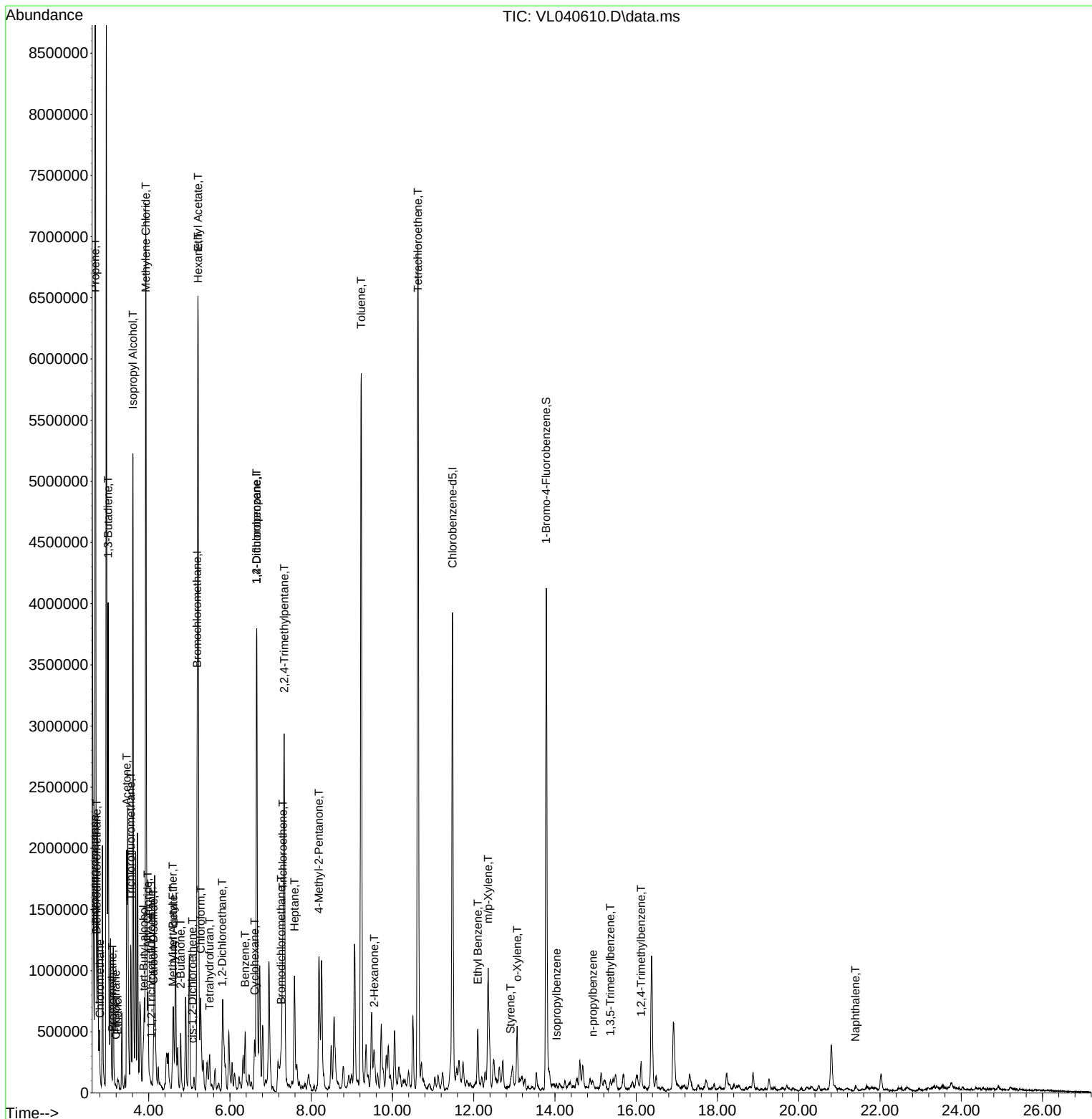
Instrument :
MSVOA_L
ClientSampleId :
SV-1

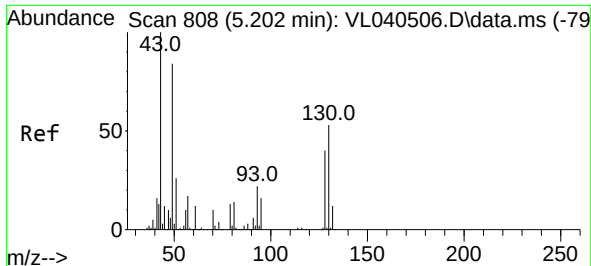
Quant Time: Aug 10 01:30:33 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Mon Jul 10 16:32:00 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 1,2,4-Trimethylbenzene	16.121	105	151590	0.477	ppbv #	66
79) Naphthalene	21.400	128	14603	0.054	ppbv #	94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quant Time: Aug 10 01:30:33 2023
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
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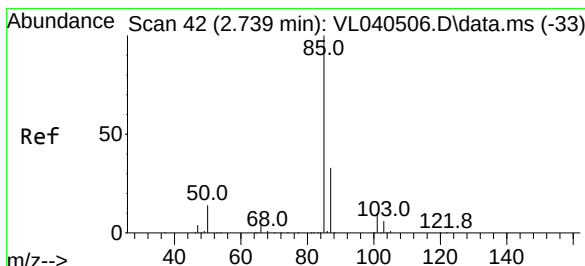
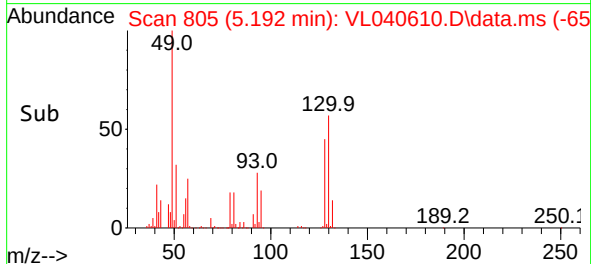
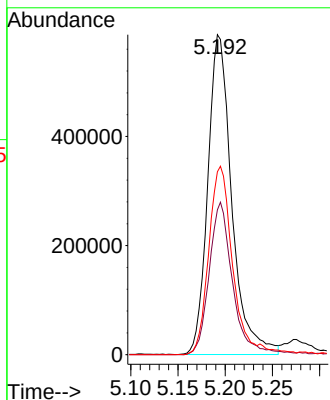
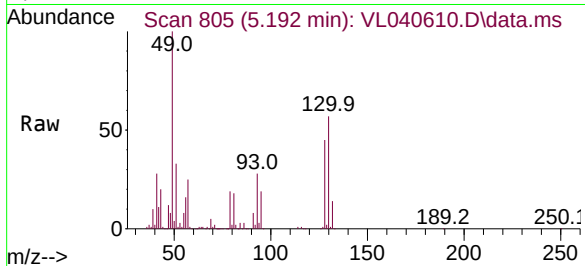




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. -0.010 min
Lab File: VL040610.D
Acq: 9 Aug 2023 17:57

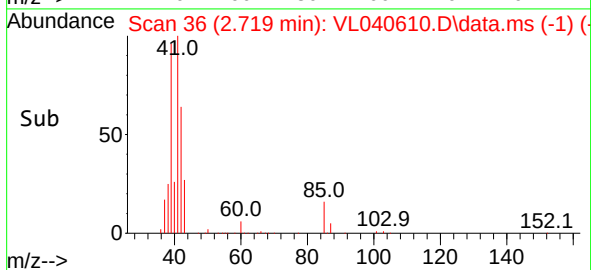
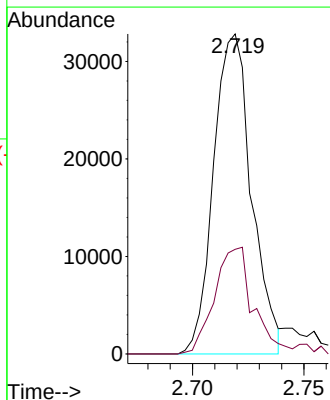
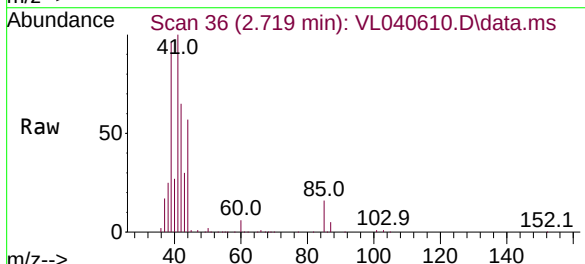
Instrument :
MSVOA_L
ClientSampleId :
SV-1

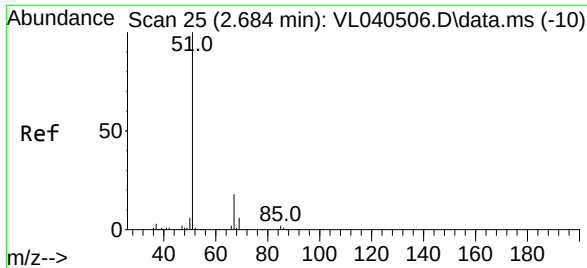
Tgt Ion: 49 Resp: 1036200
Ion Ratio Lower Upper
49 100
128 47.2 25.1 75.4
130 60.1 31.6 94.7



#2
Dichlorodifluoromethane
Concen: 0.188 ppbv
RT: 2.719 min Scan# 36
Delta R.T. -0.019 min
Lab File: VL040610.D
Acq: 9 Aug 2023 17:57

Tgt Ion: 85 Resp: 38884
Ion Ratio Lower Upper
85 100
87 32.7 26.8 40.2

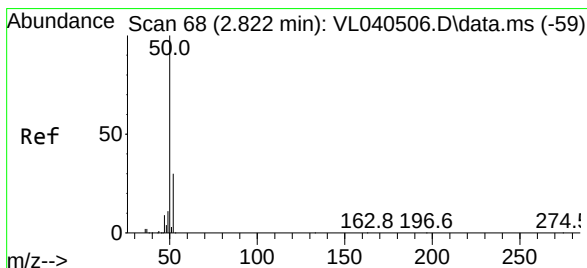
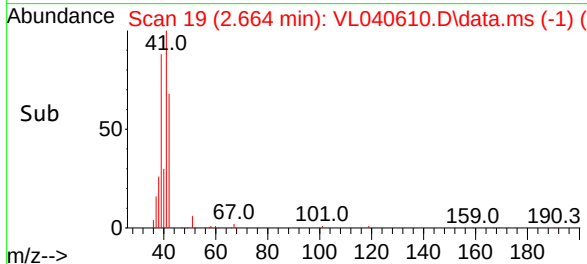
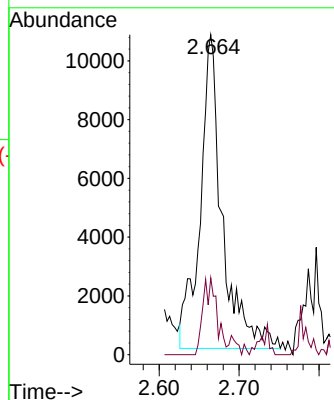
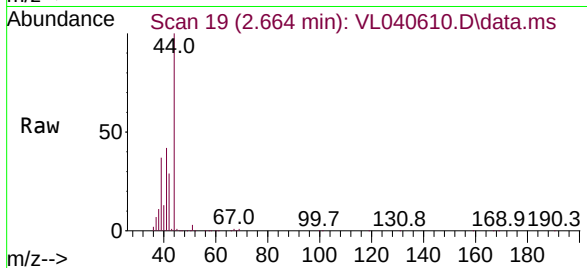




#3
Chlorodifluoromethane
Concen: 0.125 ppbv
RT: 2.664 min Scan# 19
Delta R.T. -0.019 min
Lab File: VL040610.D
Acq: 9 Aug 2023 17:57

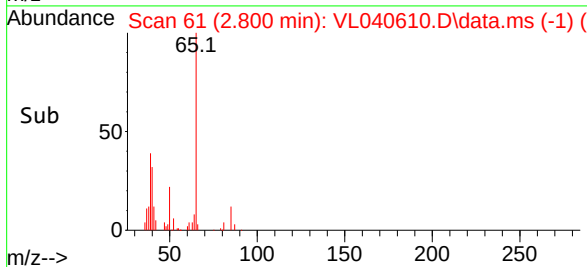
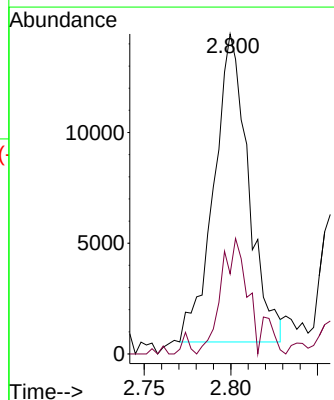
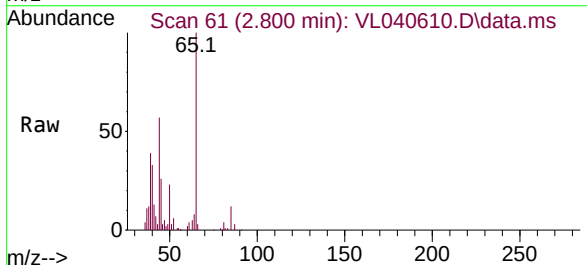
Instrument :
MSVOA_L
ClientSampleId :
SV-1

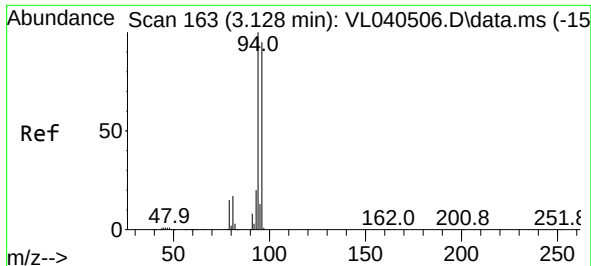
Tgt Ion: 51 Resp: 20570
Ion Ratio Lower Upper
51 100
67 17.3 14.6 21.8



#4
Chloromethane
Concen: 0.296 ppbv
RT: 2.800 min Scan# 61
Delta R.T. -0.023 min
Lab File: VL040610.D
Acq: 9 Aug 2023 17:57

Tgt Ion: 50 Resp: 19267
Ion Ratio Lower Upper
50 100
52 24.7 24.4 36.6

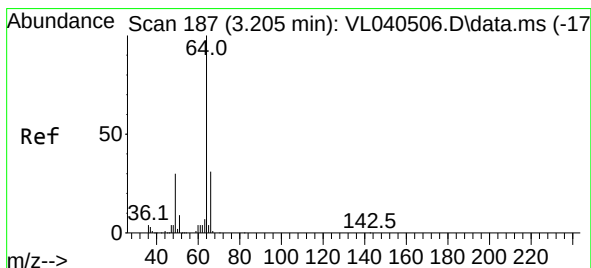
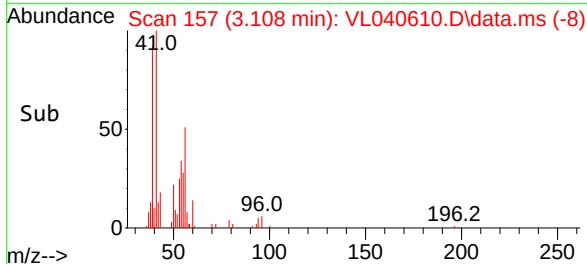
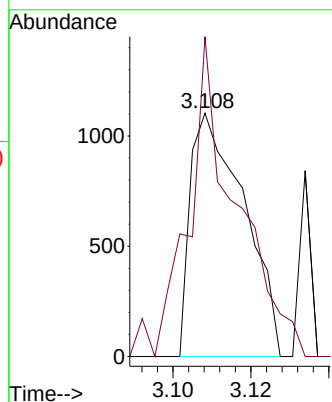
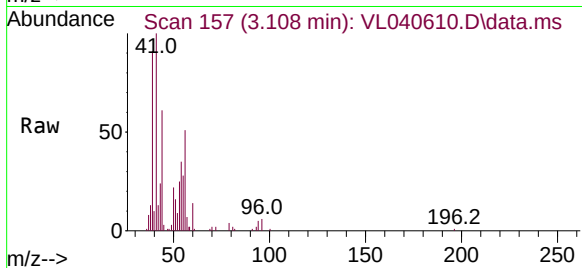




#6
Bromomethane
Concen: 0.037 ppbv
RT: 3.108 min Scan# 11
Delta R.T. -0.019 min
Lab File: VL040610.D
Acq: 9 Aug 2023 17:57

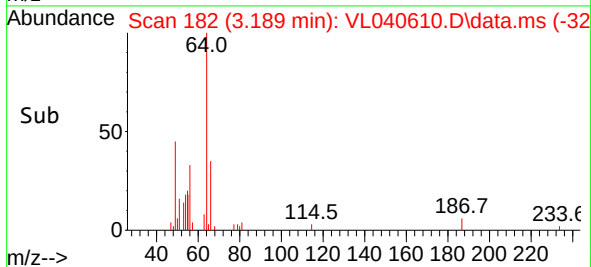
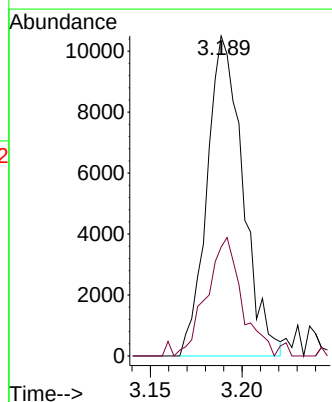
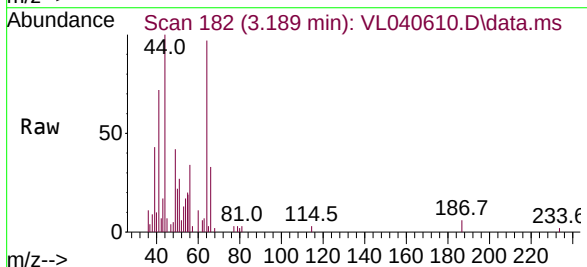
Instrument :
MSVOA_L
ClientSampleId :
SV-1

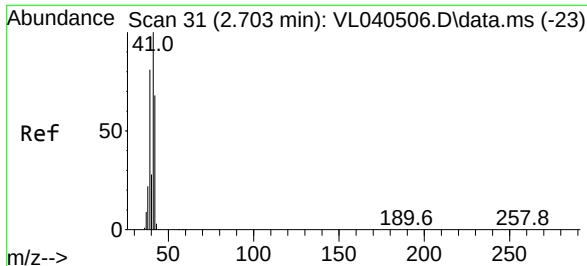
Tgt Ion: 94 Resp: 1055
Ion Ratio Lower Upper
94 100
96 113.9 75.7 113.5#



#7
Chloroethane
Concen: 0.595 ppbv
RT: 3.189 min Scan# 182
Delta R.T. -0.016 min
Lab File: VL040610.D
Acq: 9 Aug 2023 17:57

Tgt Ion: 64 Resp: 14265
Ion Ratio Lower Upper
64 100
66 34.0 24.4 36.6

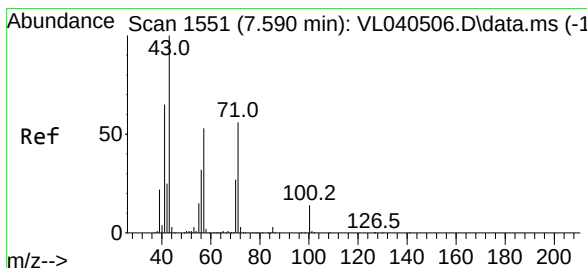
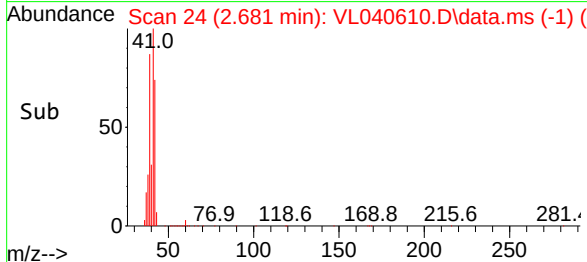
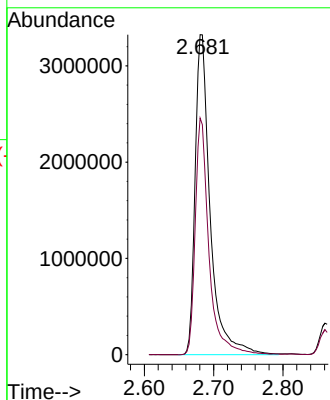
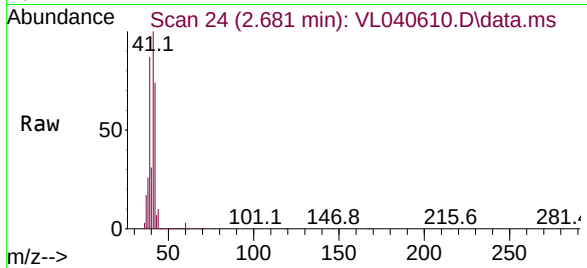




#9
 Propene
 Concen: 89.565 ppbv
 RT: 2.681 min Scan# 24
 Delta R.T. -0.023 min
 Lab File: VL040610.D
 Acq: 9 Aug 2023 17:57

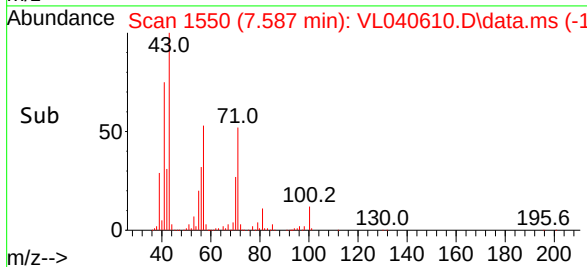
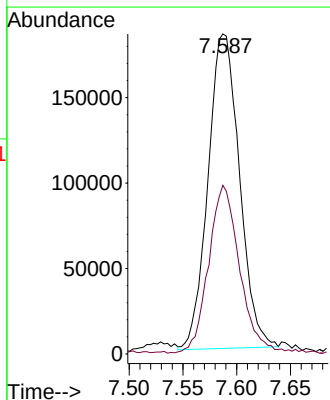
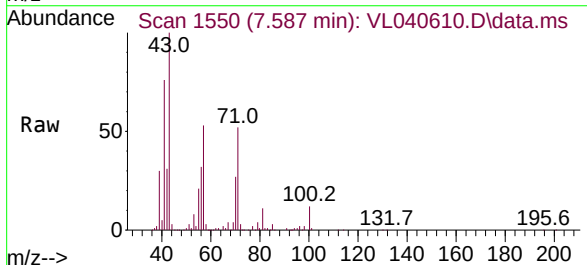
Instrument :
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 ClientSampleId :
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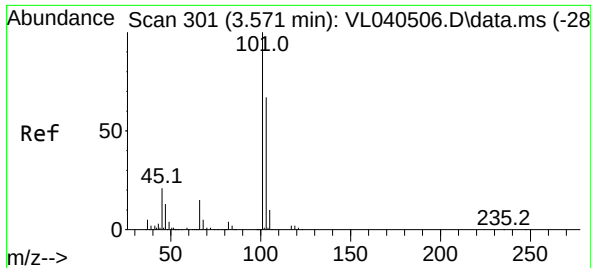
Tgt Ion: 41 Resp: 5036067
 Ion Ratio Lower Upper
 41 100
 42 67.6 55.0 82.6



#10
 Heptane
 Concen: 3.016 ppbv
 RT: 7.587 min Scan# 1550
 Delta R.T. -0.003 min
 Lab File: VL040610.D
 Acq: 9 Aug 2023 17:57

Tgt Ion: 43 Resp: 374499
 Ion Ratio Lower Upper
 43 100
 57 52.8 42.5 63.7

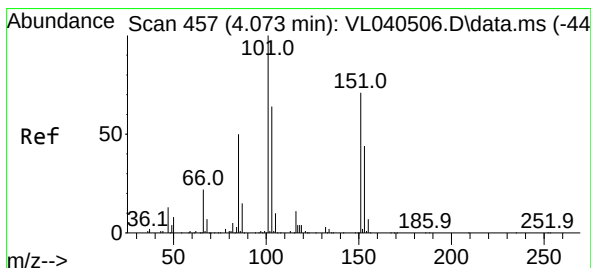
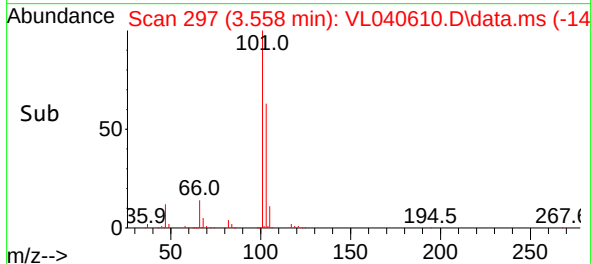
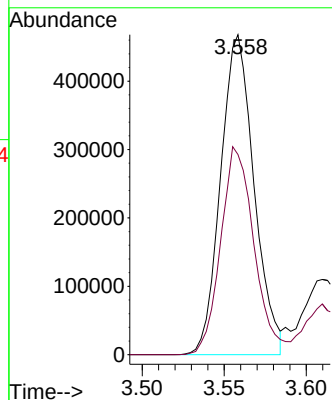
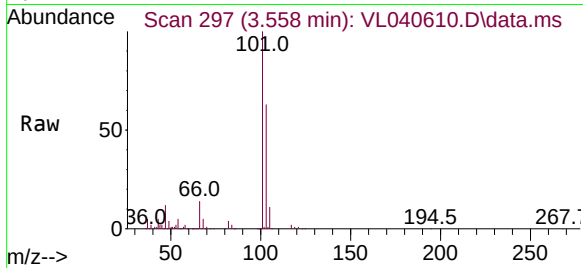




#11
 Trichlorofluoromethane
 Concen: 3.962 ppbv
 RT: 3.558 min Scan# 297
 Delta R.T. -0.013 min
 Lab File: VL040610.D
 Acq: 9 Aug 2023 17:57

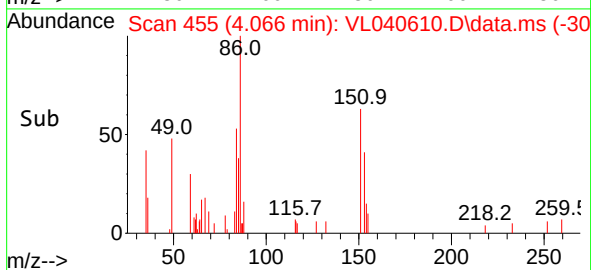
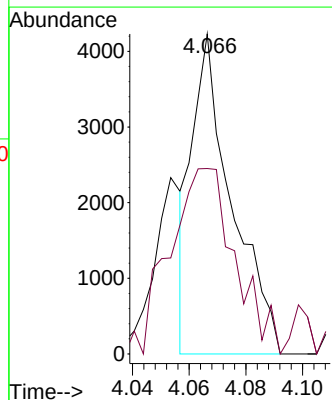
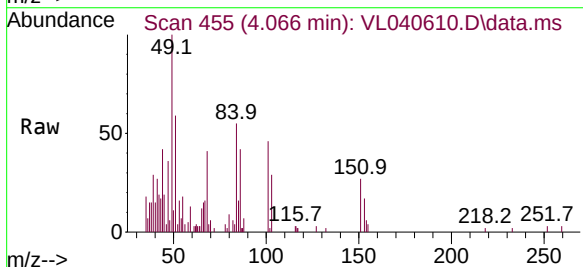
Instrument :
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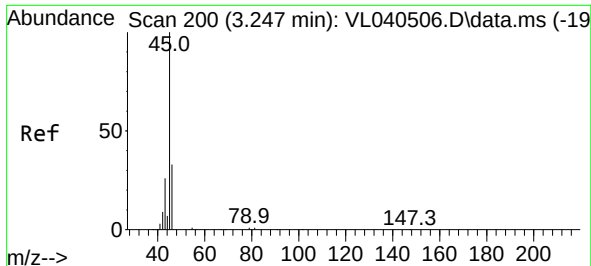
Tgt Ion:101 Resp: 662701
 Ion Ratio Lower Upper
 101 100
 103 62.5 53.4 80.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.035 ppbv
 RT: 4.066 min Scan# 455
 Delta R.T. -0.007 min
 Lab File: VL040610.D
 Acq: 9 Aug 2023 17:57

Tgt Ion:101 Resp: 4128
 Ion Ratio Lower Upper
 101 100
 151 104.7 58.2 87.4#

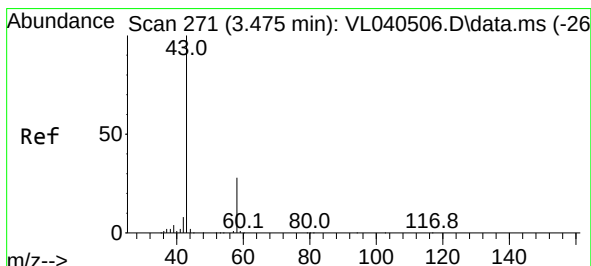
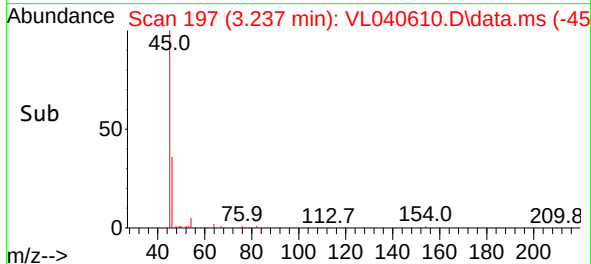
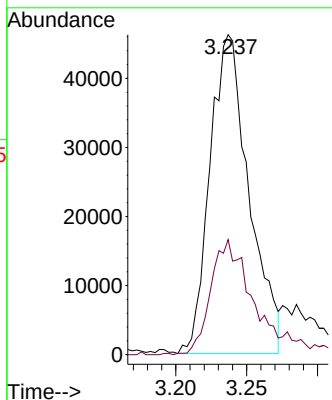
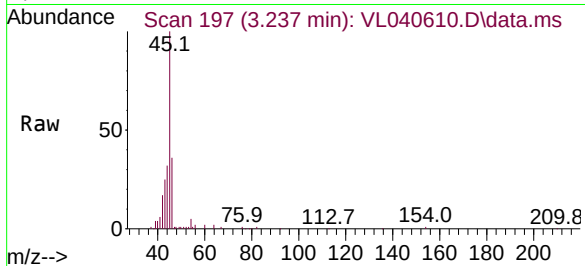




#13
Ethanol
Concen: 7.258 ppbv
RT: 3.237 min Scan# 197
Delta R.T. -0.010 min
Lab File: VL040610.D
Acq: 9 Aug 2023 17:57

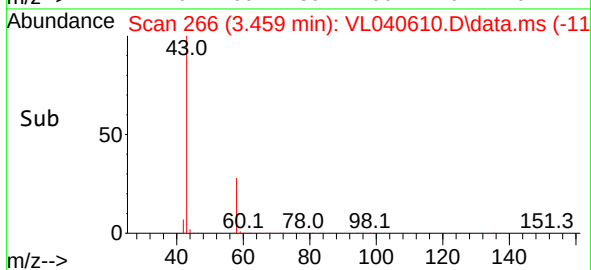
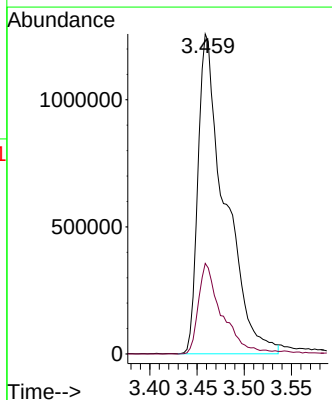
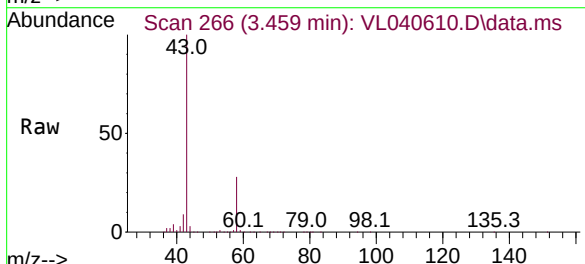
Instrument :
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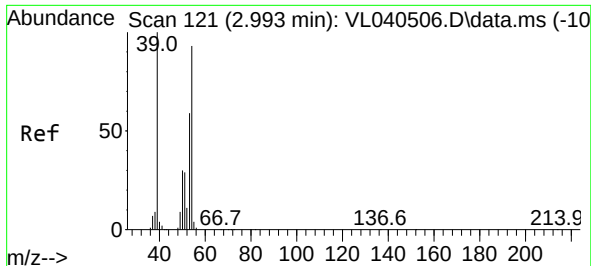
Tgt Ion: 45 Resp: 88792
Ion Ratio Lower Upper
45 100
46 40.3 15.3 61.1



#15
Acetone
Concen: 20.850 ppbv
RT: 3.459 min Scan# 266
Delta R.T. -0.016 min
Lab File: VL040610.D
Acq: 9 Aug 2023 17:57

Tgt Ion: 43 Resp: 2486829
Ion Ratio Lower Upper
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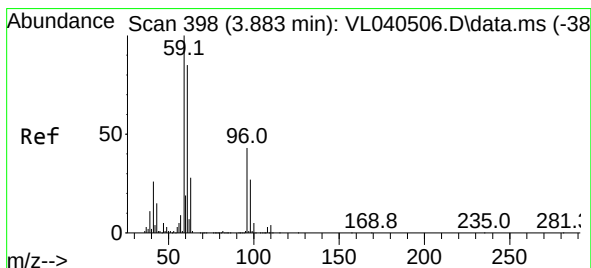
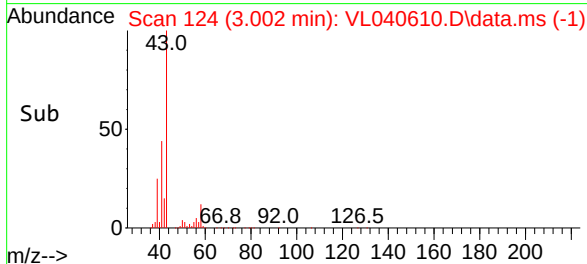
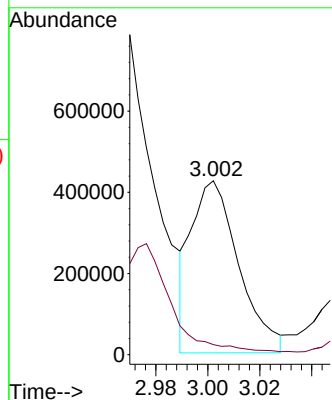
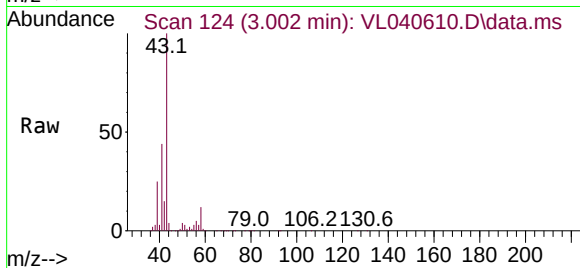




#16
1,3-Butadiene
Concen: 8.924 ppbv
RT: 3.002 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL040610.D
Acq: 9 Aug 2023 17:57

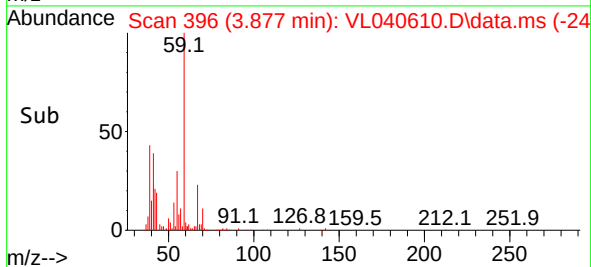
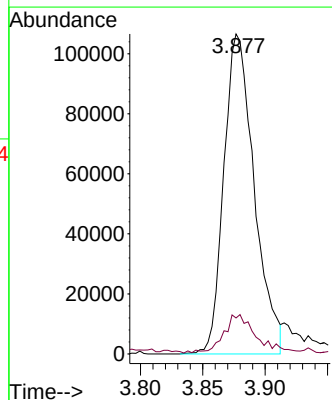
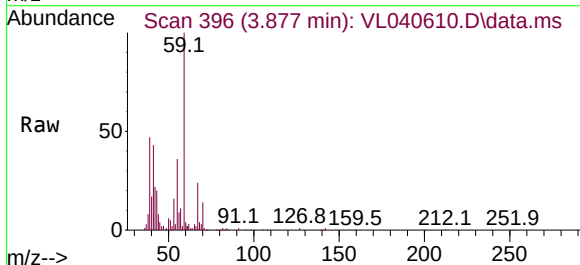
Instrument :
MSVOA_L
ClientSampleId :
SV-1

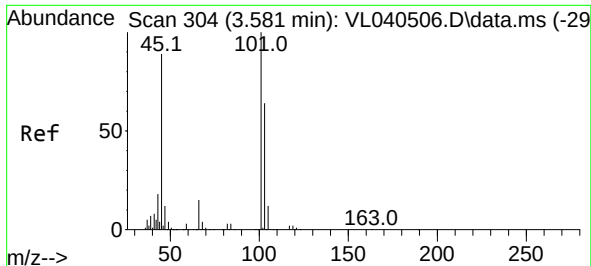
Tgt Ion: 39 Resp: 536994
Ion Ratio Lower Upper
39 100
54 0.0 66.6 100.0#



#17
tert-Butyl alcohol
Concen: 1.466 ppbv
RT: 3.877 min Scan# 396
Delta R.T. -0.007 min
Lab File: VL040610.D
Acq: 9 Aug 2023 17:57

Tgt Ion: 59 Resp: 180848
Ion Ratio Lower Upper
59 100
57 11.2 8.7 13.1





#19

Isopropyl Alcohol

Concen: 7.553 ppbv

RT: 3.610 min Scan# 313

Delta R.T. 0.029 min

Lab File: VL040610.D

Acq: 9 Aug 2023 17:57

Instrument :

MSVOA_1

ClientSampleId :

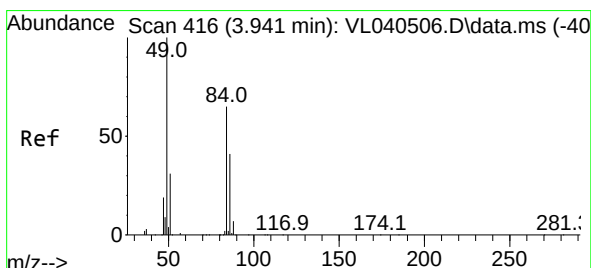
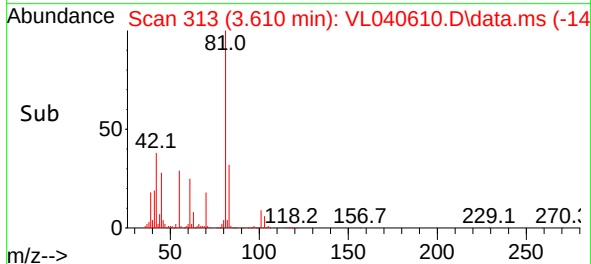
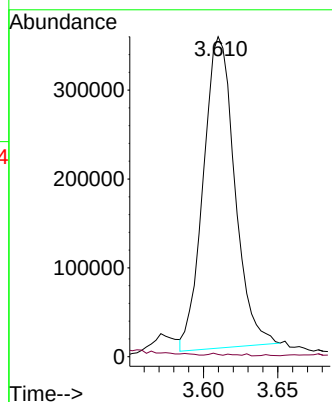
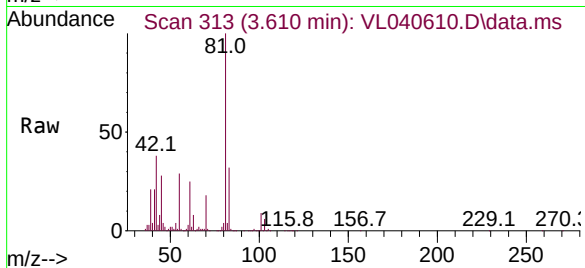
SV-1

Tgt Ion: 45 Resp: 517193

Ion Ratio Lower Upper

45 100

58 0.0 1.1 1.7#



#20

Methylene Chloride

Concen: 49.293 ppbv

RT: 3.928 min Scan# 412

Delta R.T. -0.013 min

Lab File: VL040610.D

Acq: 9 Aug 2023 17:57

Tgt Ion: 84 Resp: 2500912

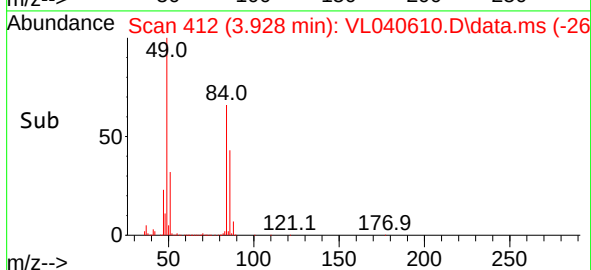
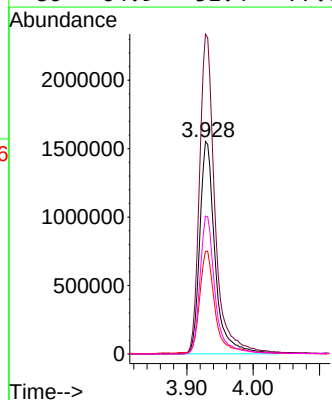
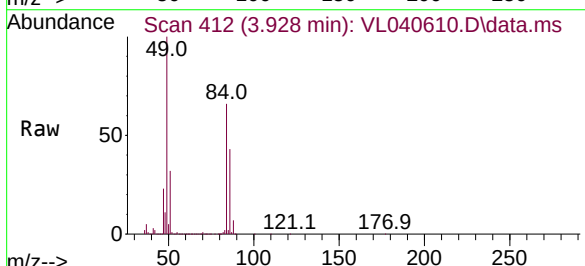
Ion Ratio Lower Upper

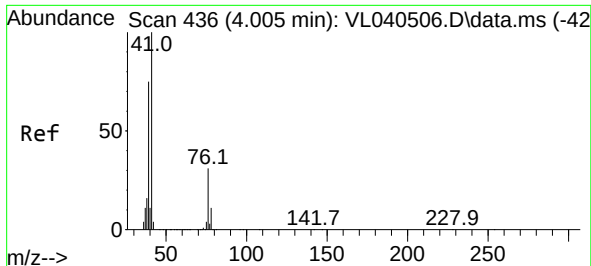
84 100

49 150.5 123.4 185.2

51 48.0 38.3 57.5

86 64.9 51.4 77.0





#21

Allyl Chloride

Concen: 0.723 ppbv

RT: 3.980 min Scan# 41

Delta R.T. -0.026 min

Lab File: VL040610.D

Acq: 9 Aug 2023 17:57

Instrument :

MSVOA_L

ClientSampleId :

SV-1

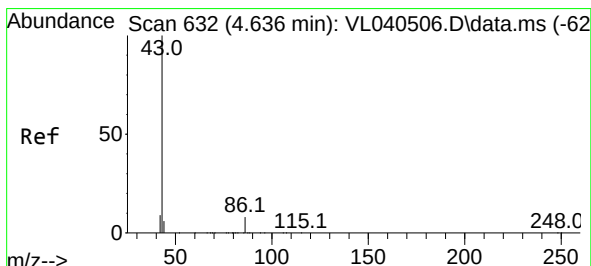
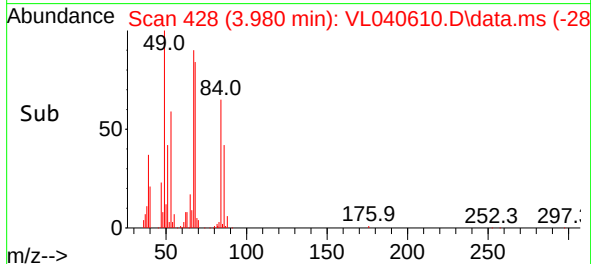
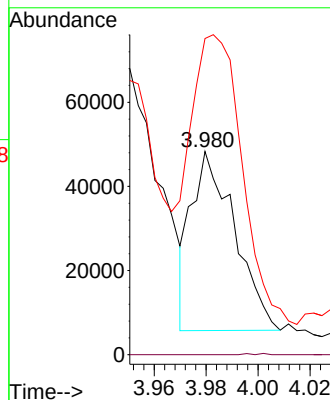
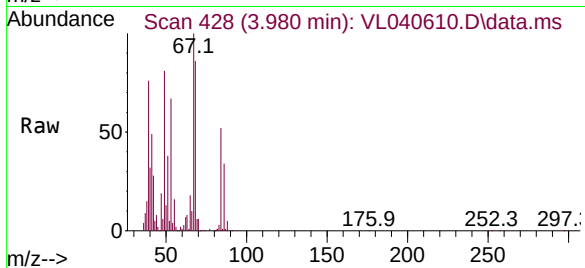
Tgt Ion: 41 Resp: 49229

Ion Ratio Lower Upper

41 100

76 0.0 24.8 37.2#

39 236.4 60.6 91.0#



#23

Vinyl Acetate

Concen: 2.351 ppbv

RT: 4.607 min Scan# 623

Delta R.T. -0.029 min

Lab File: VL040610.D

Acq: 9 Aug 2023 17:57

Tgt Ion: 43 Resp: 267193

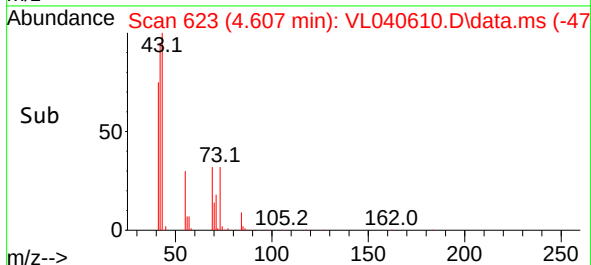
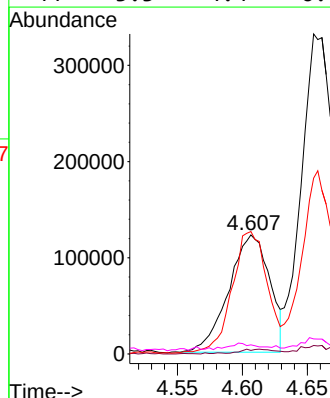
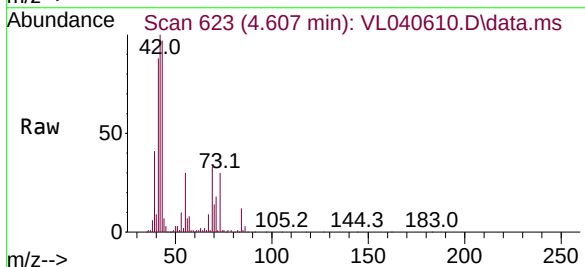
Ion Ratio Lower Upper

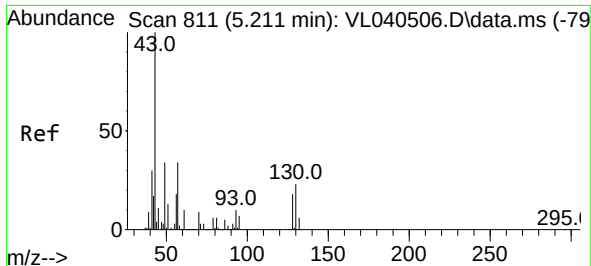
43 100

86 2.7 5.6 8.4#

42 103.3 7.4 11.2#

44 3.3 4.4 6.6#

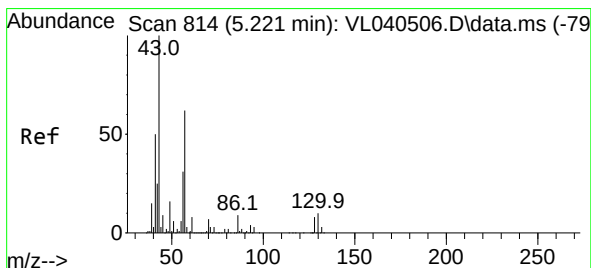
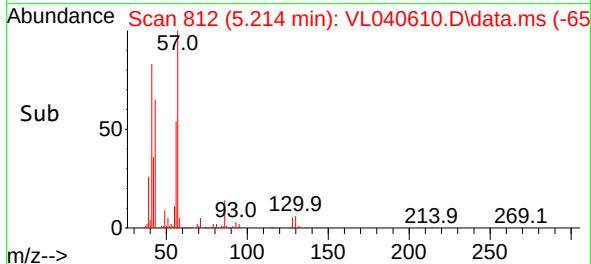
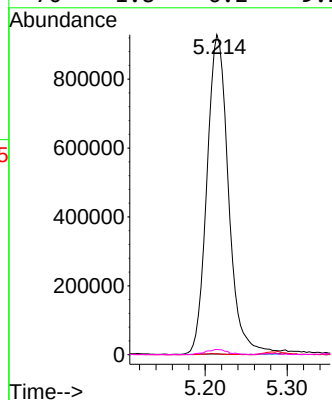
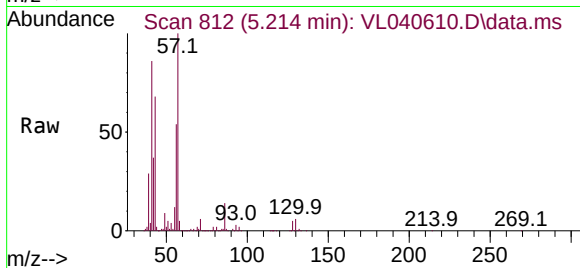




#25
Ethyl Acetate
Concen: 7.476 ppbv
RT: 5.214 min Scan# 811
Delta R.T. 0.003 min
Lab File: VL040610.D
Acq: 9 Aug 2023 17:57

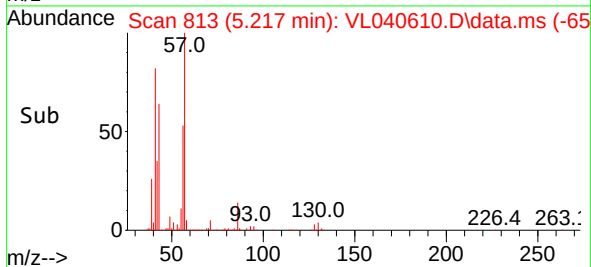
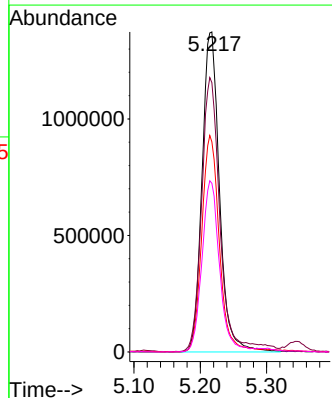
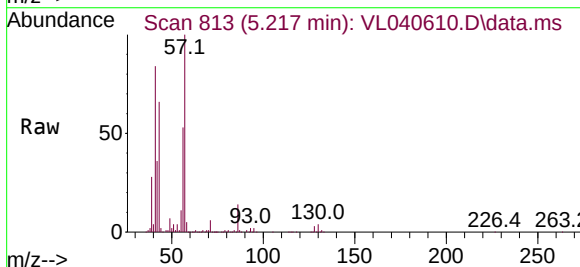
Instrument :
MSVOA_1
ClientSampleId :
SV-1

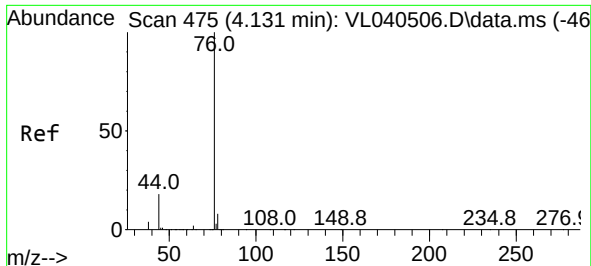
Tgt Ion: 43 Resp: 1697621
Ion Ratio Lower Upper
43 100
45 0.4 8.2 12.4#
61 0.3 8.3 12.5#
70 1.8 6.2 9.2#



#26
Hexane
Concen: 23.777 ppbv
RT: 5.217 min Scan# 813
Delta R.T. -0.003 min
Lab File: VL040610.D
Acq: 9 Aug 2023 17:57

Tgt Ion: 57 Resp: 2508291
Ion Ratio Lower Upper
57 100
41 91.3 69.5 104.3
43 69.0 177.1 265.7#
56 53.9 42.3 63.5

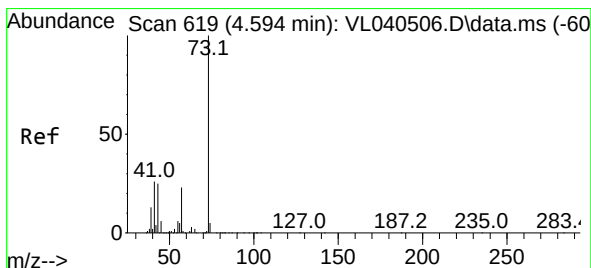
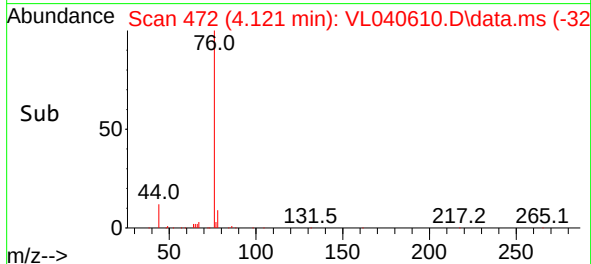
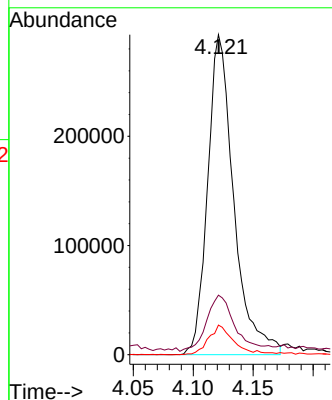
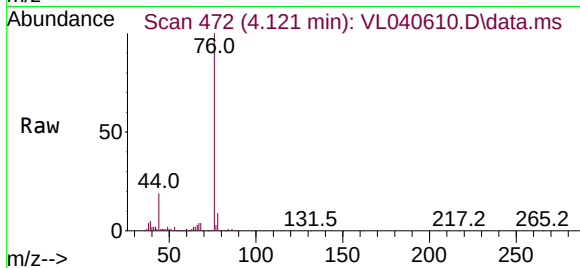




#27
Carbon Disulfide
Concen: 3.578 ppbv
RT: 4.121 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL040610.D
Acq: 9 Aug 2023 17:57

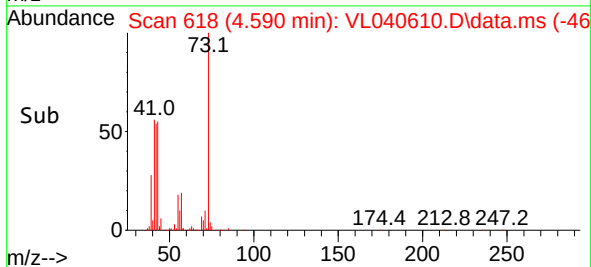
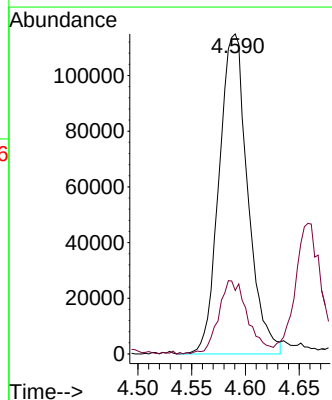
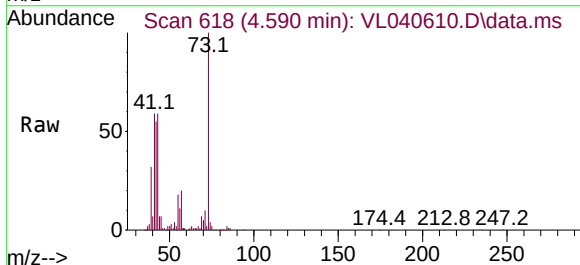
Instrument :
MSVOA_L
ClientSampleId :
SV-1

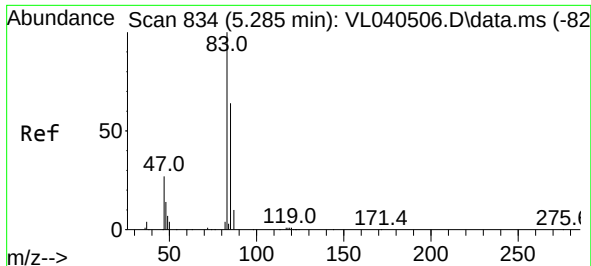
Tgt Ion: 76 Resp: 444009
Ion Ratio Lower Upper
76 100
44 20.6 15.1 22.7
78 9.7 7.5 11.3



#28
Methyl tert-Butyl Ether
Concen: 2.513 ppbv
RT: 4.590 min Scan# 618
Delta R.T. -0.003 min
Lab File: VL040610.D
Acq: 9 Aug 2023 17:57

Tgt Ion: 73 Resp: 213447
Ion Ratio Lower Upper
73 100
57 22.6 18.8 28.2





#29

Chloroform

Concen: 1.912 ppbv

RT: 5.279 min Scan# 81

Delta R.T. -0.007 min

Lab File: VL040610.D

Acq: 9 Aug 2023 17:57

Instrument :

MSVOA_L

ClientSampleId :

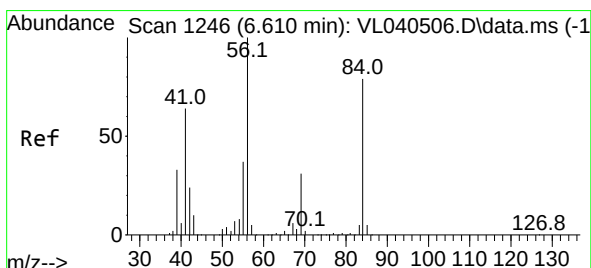
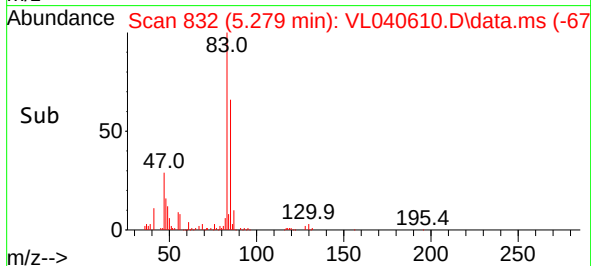
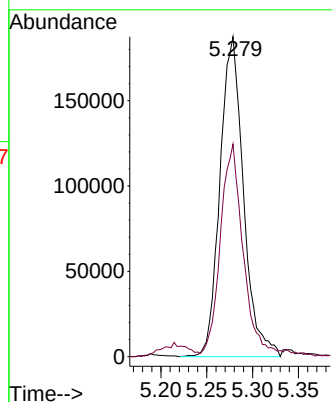
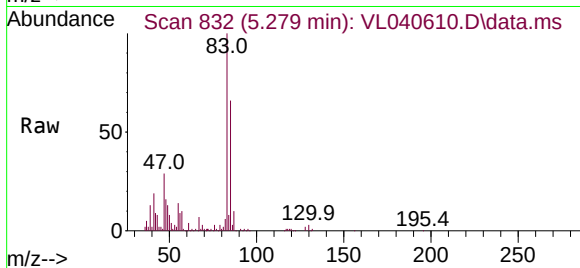
SV-1

Tgt Ion: 83 Resp: 334467

Ion Ratio Lower Upper

83 100

85 64.5 51.1 76.7



#30

Cyclohexane

Concen: 1.426 ppbv

RT: 6.606 min Scan# 1245

Delta R.T. -0.003 min

Lab File: VL040610.D

Acq: 9 Aug 2023 17:57

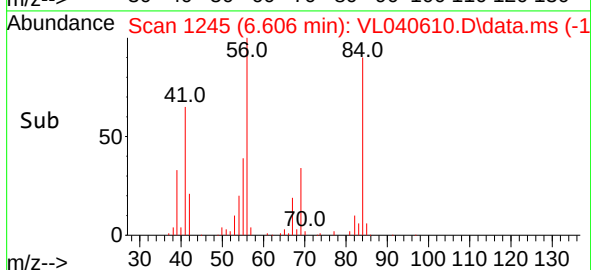
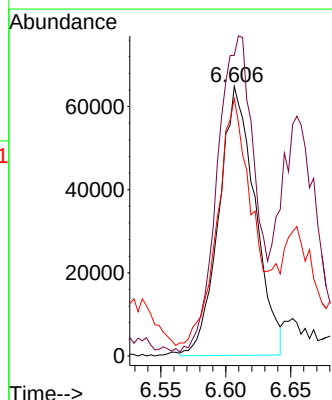
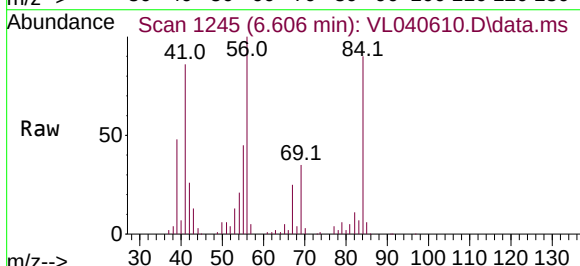
Tgt Ion: 84 Resp: 125183

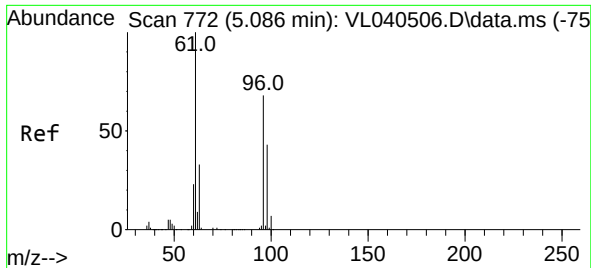
Ion Ratio Lower Upper

84 100

56 117.4 108.7 163.1

41 93.1 64.5 96.7

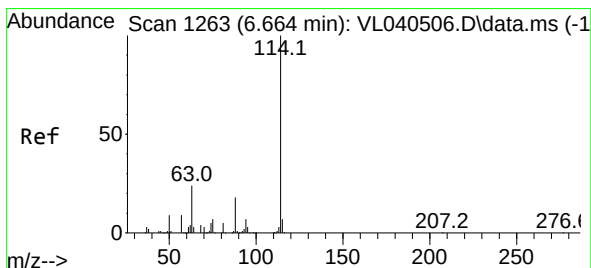
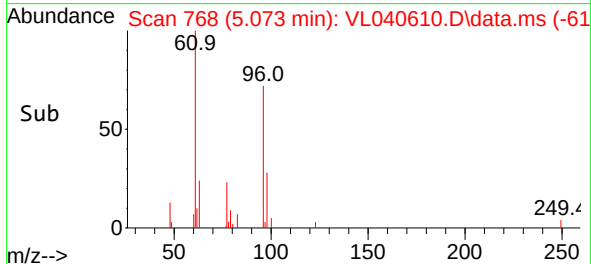
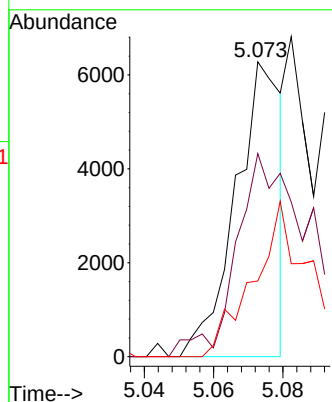
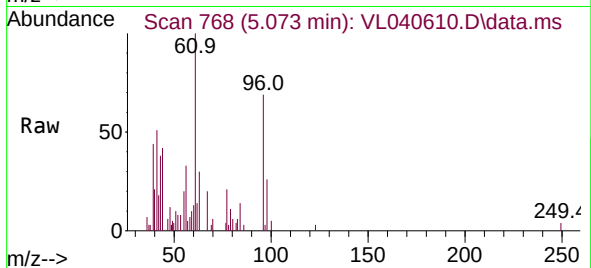




#31
cis-1,2-Dichloroethene
Concen: 0.055 ppbv
RT: 5.073 min Scan# 772
Delta R.T. -0.013 min
Lab File: VL040610.D
Acq: 9 Aug 2023 17:57

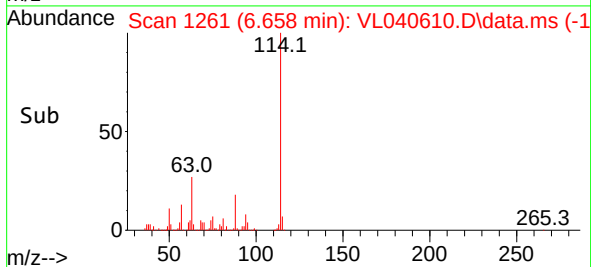
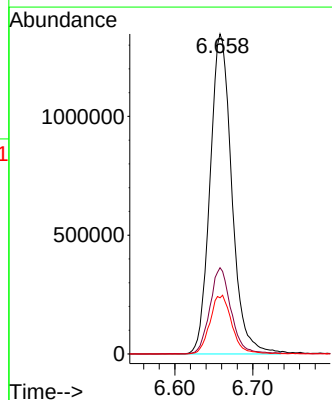
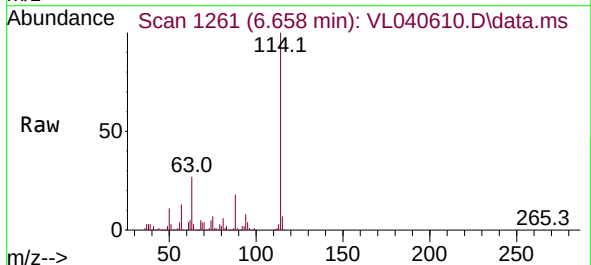
Instrument :
MSVOA_L
ClientSampleId :
SV-1

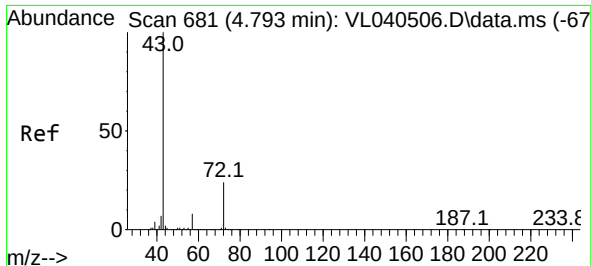
Tgt Ion: 61 Resp: 5711
Ion Ratio Lower Upper
61 100
96 57.3 54.7 82.1
98 23.3 34.6 52.0#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.658 min Scan# 1261
Delta R.T. -0.007 min
Lab File: VL040610.D
Acq: 9 Aug 2023 17:57

Tgt Ion: 114 Resp: 2615163
Ion Ratio Lower Upper
114 100
63 26.7 19.6 29.4
88 18.6 14.2 21.2

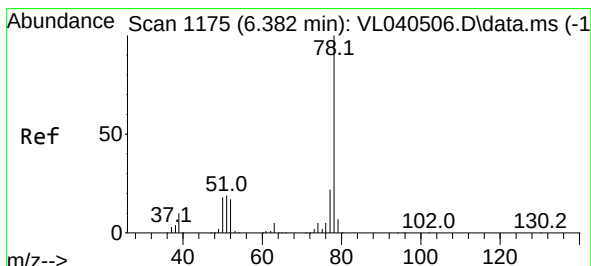
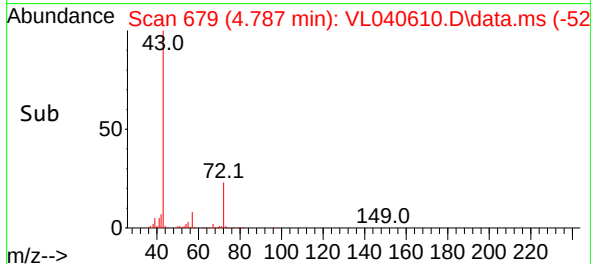
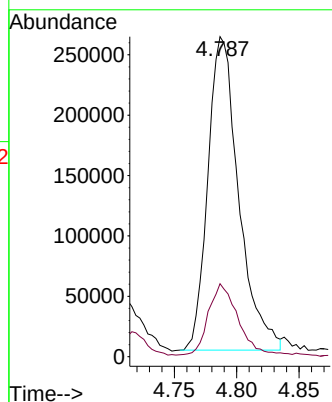
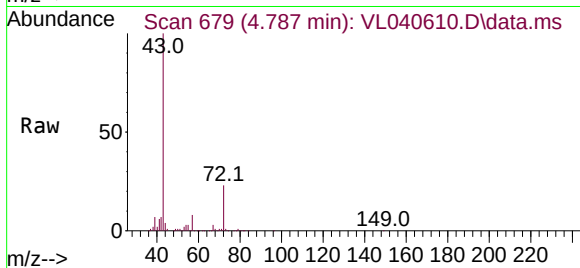




#34
2-Butanone
Concen: 3.469 ppbv
RT: 4.787 min Scan# 61
Delta R.T. -0.007 min
Lab File: VL040610.D
Acq: 9 Aug 2023 17:57

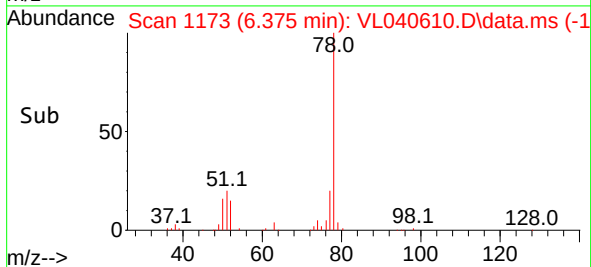
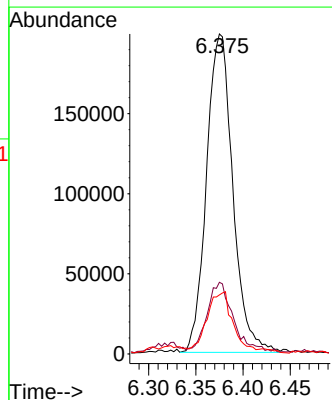
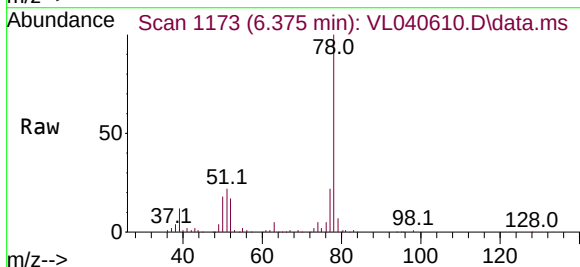
Instrument :
MSVOA_L
ClientSampleId :
SV-1

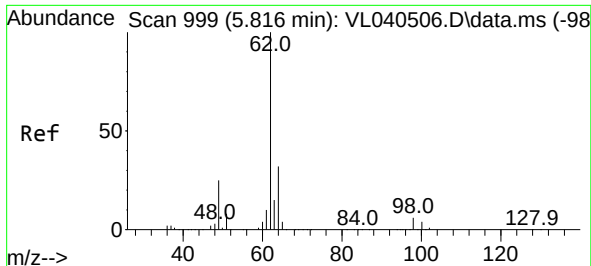
Tgt Ion: 43 Resp: 448224
Ion Ratio Lower Upper
43 100
72 23.8 19.1 28.7



#36
Benzene
Concen: 1.826 ppbv
RT: 6.375 min Scan# 1173
Delta R.T. -0.007 min
Lab File: VL040610.D
Acq: 9 Aug 2023 17:57

Tgt Ion: 78 Resp: 384131
Ion Ratio Lower Upper
78 100
77 21.9 17.4 26.0
50 18.0 14.4 21.6

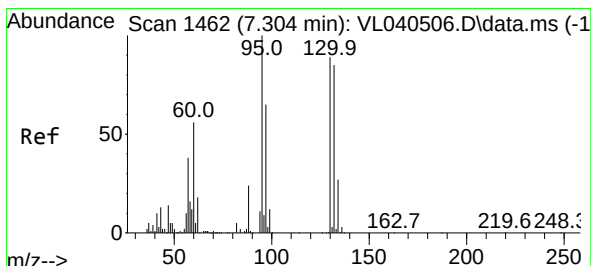
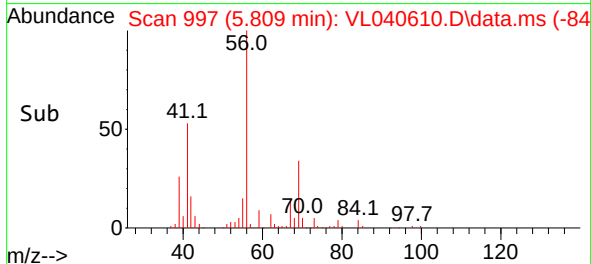
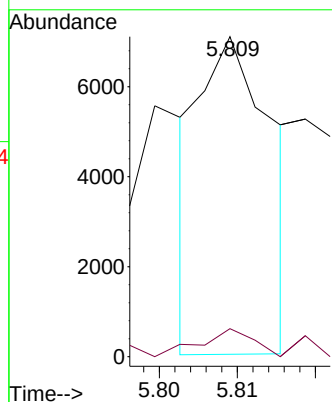
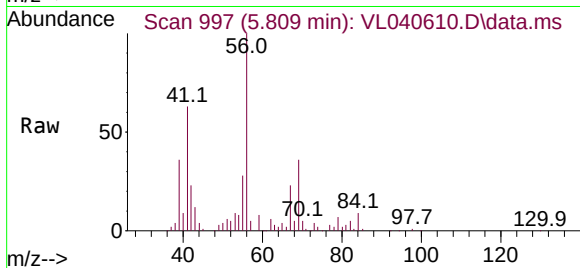




#37
1,2-Dichloroethane
Concen: 0.037 ppbv
RT: 5.809 min Scan# 91
Delta R.T. -0.007 min
Lab File: VL040610.D
Acq: 9 Aug 2023 17:57

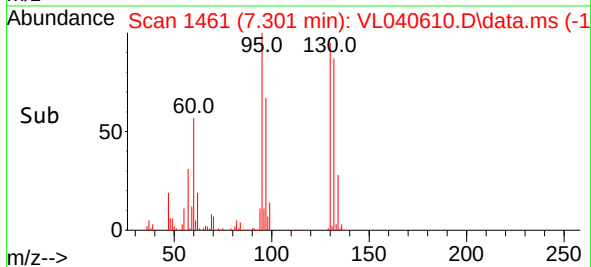
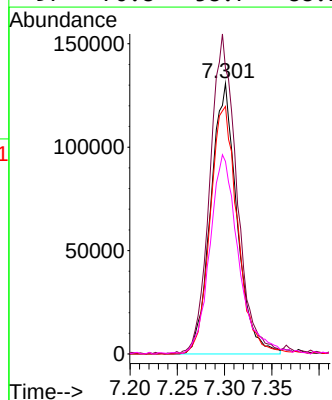
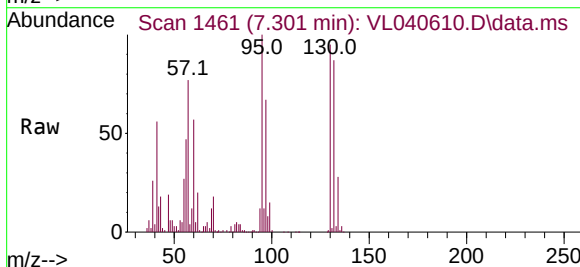
Instrument :
MSVOA_L
ClientSampleId :
SV-1

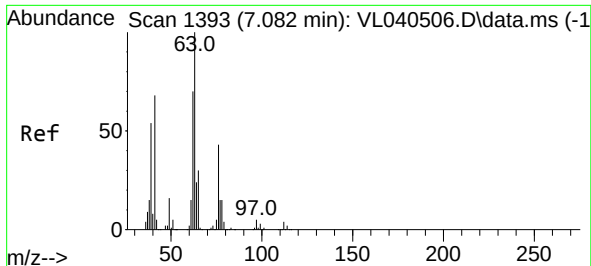
Tgt Ion: 62 Resp: 4532
Ion Ratio Lower Upper
62 100
98 0.0 5.1 7.7#



#38
Trichloroethene
Concen: 3.165 ppbv
RT: 7.301 min Scan# 1461
Delta R.T. -0.003 min
Lab File: VL040610.D
Acq: 9 Aug 2023 17:57

Tgt Ion:130 Resp: 251933
Ion Ratio Lower Upper
130 100
95 105.4 90.2 135.2
132 91.4 76.3 114.5
97 70.8 58.7 88.1





#39

1,2-Dichloropropane

Concen: 8.401 ppbv

RT: 6.658 min Scan# 11

Delta R.T. -0.425 min

Lab File: VL040610.D

Acq: 9 Aug 2023 17:57

Instrument :

MSVOA_L

ClientSampleId :

SV-1

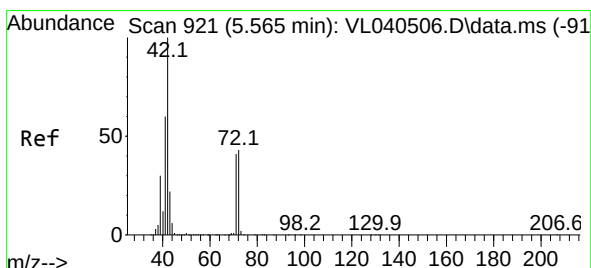
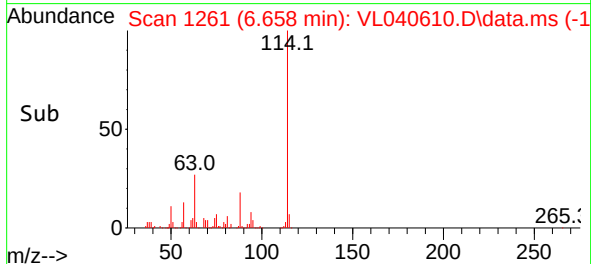
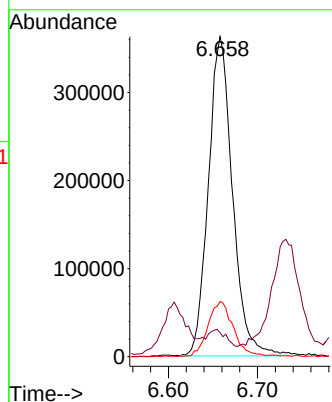
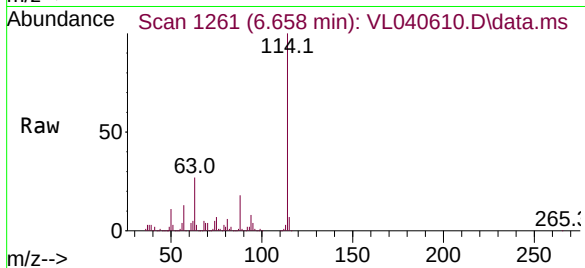
Tgt Ion: 63 Resp: 680533

Ion Ratio Lower Upper

63 100

41 0.0 54.3 81.5#

62 17.1 55.6 83.4#



#41

Tetrahydrofuran

Concen: 0.454 ppbv

RT: 5.500 min Scan# 901

Delta R.T. -0.064 min

Lab File: VL040610.D

Acq: 9 Aug 2023 17:57

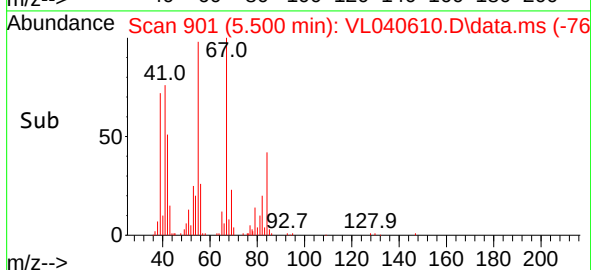
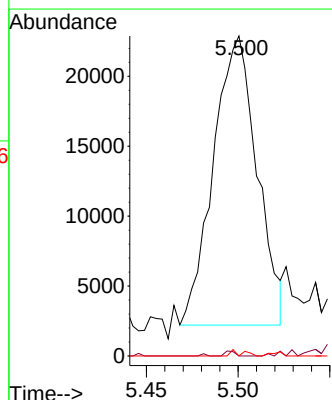
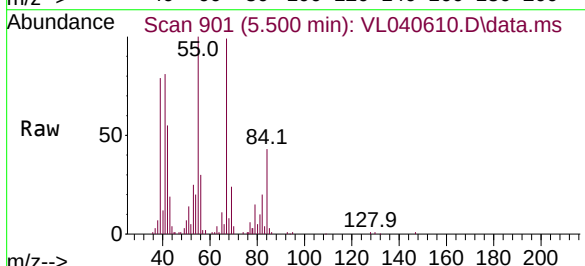
Tgt Ion: 42 Resp: 34242

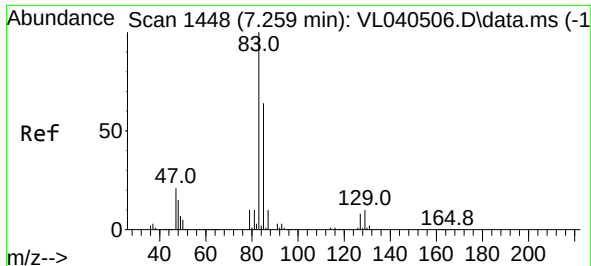
Ion Ratio Lower Upper

42 100

72 6.4 33.8 50.8#

71 0.0 33.0 49.6#





#42

Bromodichloromethane

Concen: 0.206 ppbv

RT: 7.259 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VL040610.D

Acq: 9 Aug 2023 17:57

Instrument :

MSVOA_1

ClientSampleId :

SV-1

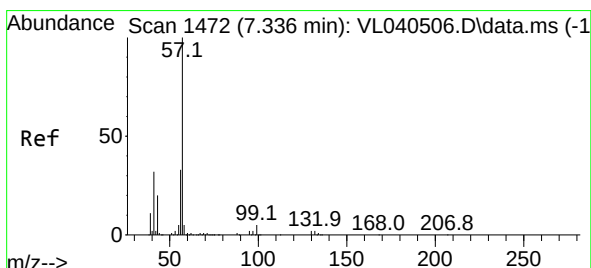
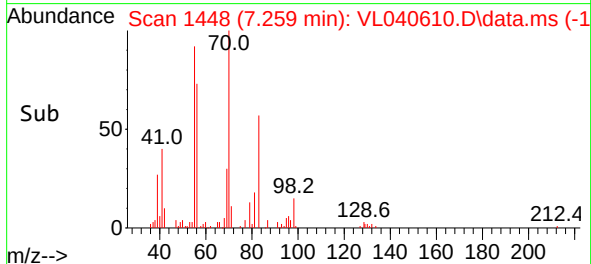
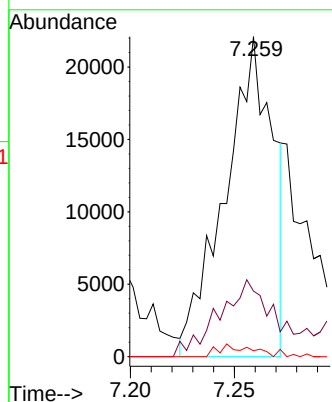
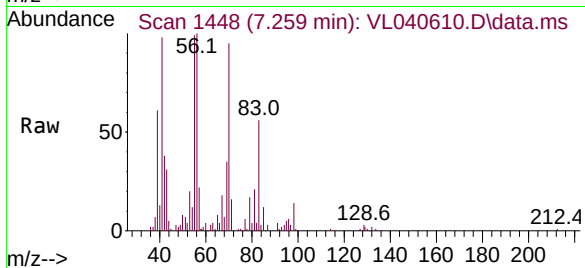
Tgt Ion: 83 Resp: 35449

Ion Ratio Lower Upper

83 100

85 17.4 51.1 76.7#

127 2.0 6.5 9.7#



#44

2,2,4-Trimethylpentane

Concen: 7.840 ppbv

RT: 7.336 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VL040610.D

Acq: 9 Aug 2023 17:57

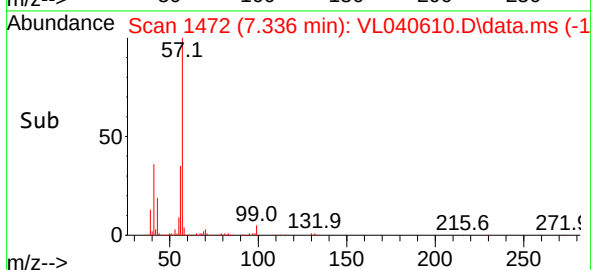
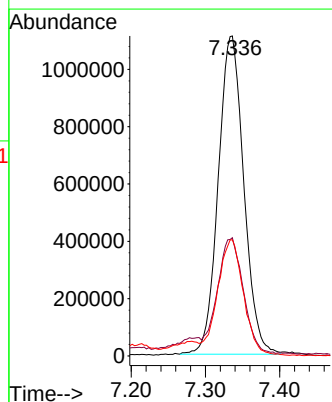
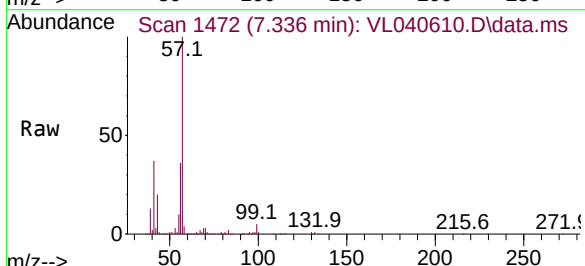
Tgt Ion: 57 Resp: 2654242

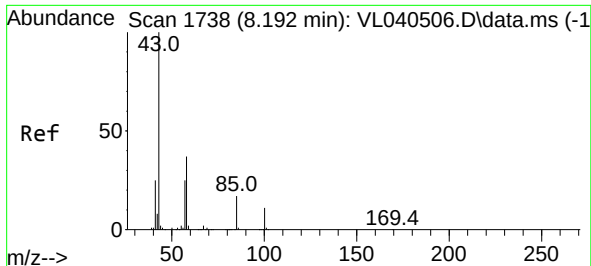
Ion Ratio Lower Upper

57 100

41 43.3 25.5 38.3#

56 42.8 25.1 37.7#





#50

4-Methyl-2-Pentanone

Concen: 4.724 ppbv

RT: 8.188 min Scan# 1

Delta R.T. -0.003 min

Lab File: VL040610.D

Acq: 9 Aug 2023 17:57

Instrument :

MSVOA_L

ClientSampleId :

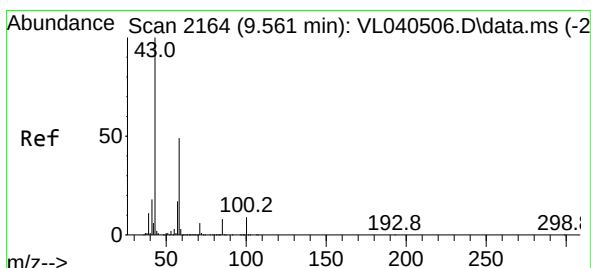
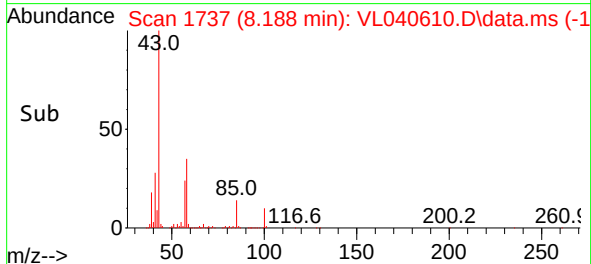
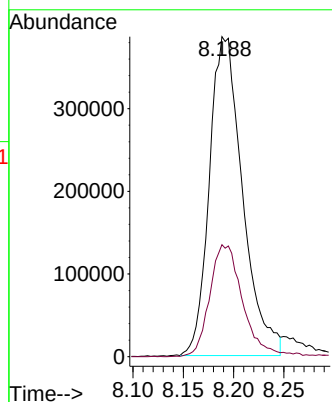
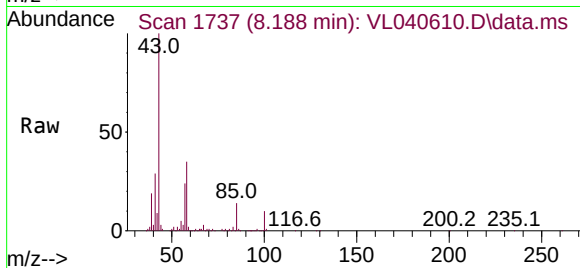
SV-1

Tgt Ion: 43 Resp: 886892

Ion Ratio Lower Upper

43 100

58 35.7 30.2 45.2



#51

2-Hexanone

Concen: 0.941 ppbv

RT: 9.555 min Scan# 2162

Delta R.T. -0.006 min

Lab File: VL040610.D

Acq: 9 Aug 2023 17:57

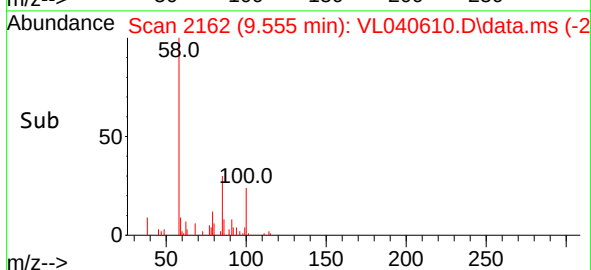
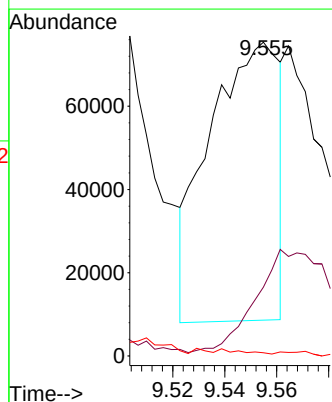
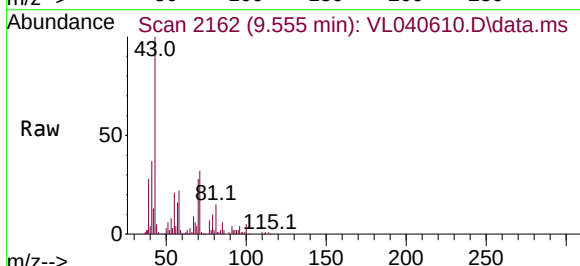
Tgt Ion: 43 Resp: 125000

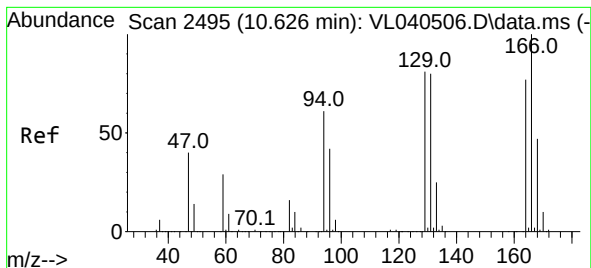
Ion Ratio Lower Upper

43 100

58 0.0 39.7 59.5#

98 2.0 0.3 0.5#





#52

Tetrachloroethene

Concen: 24.170 ppbv

RT: 10.626 min Scan# 2495

Delta R.T. -0.000 min

Lab File: VL040610.D

Acq: 9 Aug 2023 17:57

Instrument :

MSVOA_L

ClientSampleId :

SV-1

Tgt Ion:164 Resp: 1647044

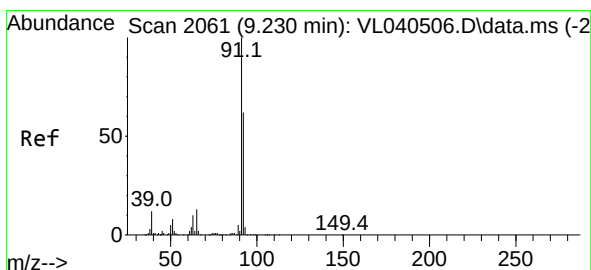
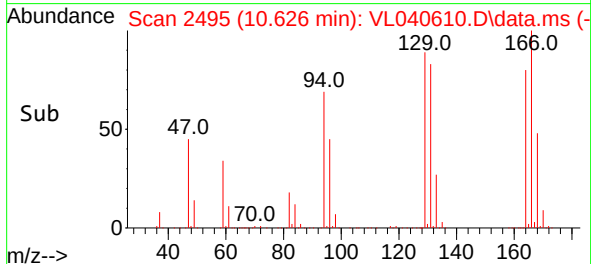
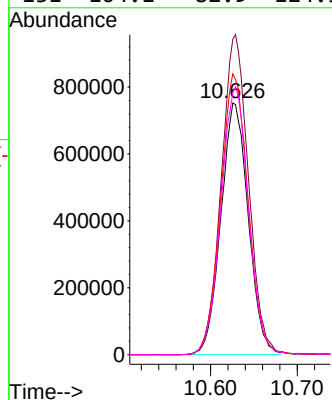
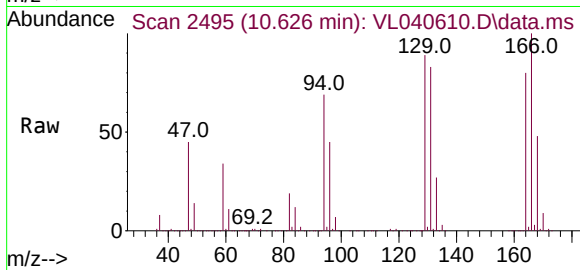
Ion Ratio Lower Upper

164 100

166 125.3 103.9 155.9

129 111.6 84.6 126.8

131 104.1 82.9 124.3



#53

Toluene

Concen: 16.219 ppbv

RT: 9.230 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VL040610.D

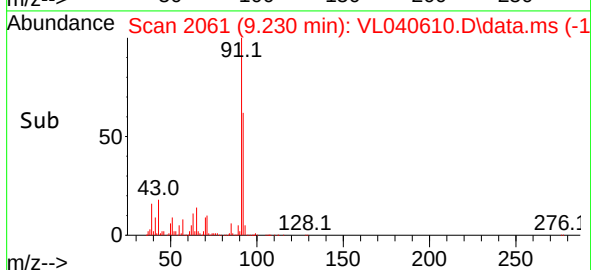
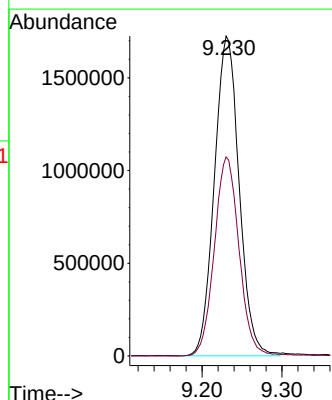
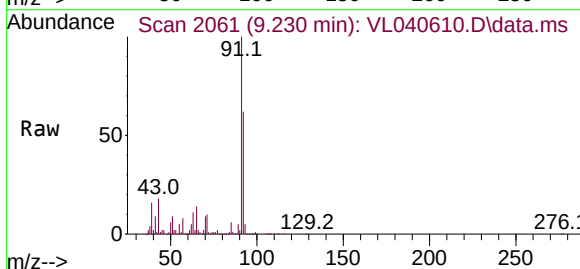
Acq: 9 Aug 2023 17:57

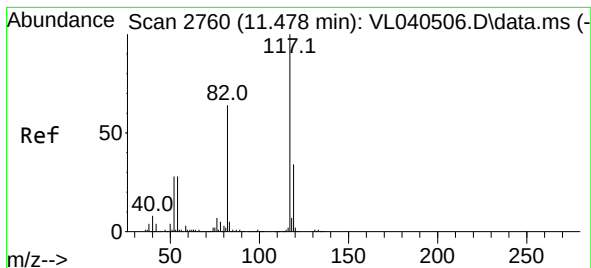
Tgt Ion: 91 Resp: 3707051

Ion Ratio Lower Upper

91 100

92 62.4 49.1 73.7





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.478 min Scan# 21

Delta R.T. -0.000 min

Lab File: VL040610.D

Acq: 9 Aug 2023 17:57

Instrument :

MSVOA_L

ClientSampleId :

SV-1

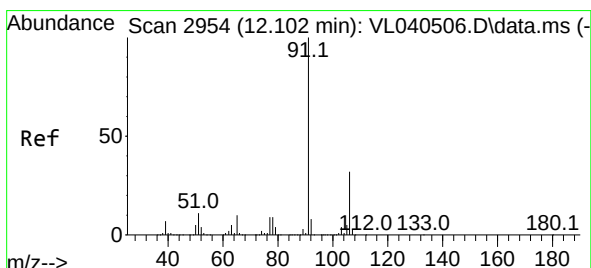
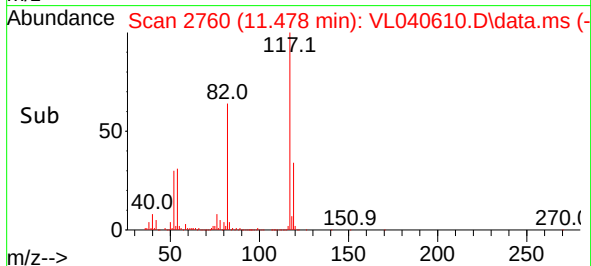
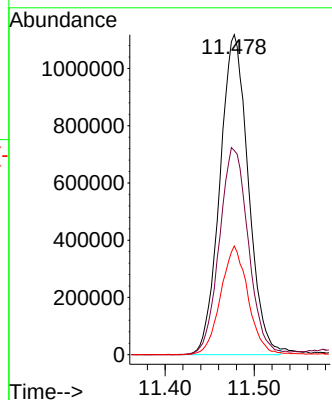
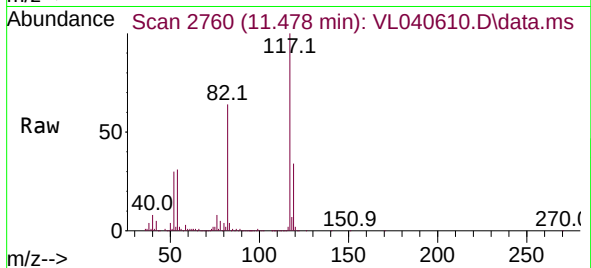
Tgt Ion:117 Resp: 2474096

Ion Ratio Lower Upper

117 100

82 66.6 50.2 75.4

119 33.4 26.9 40.3



#58

Ethyl Benzene

Concen: 1.310 ppbv

RT: 12.101 min Scan# 2954

Delta R.T. -0.000 min

Lab File: VL040610.D

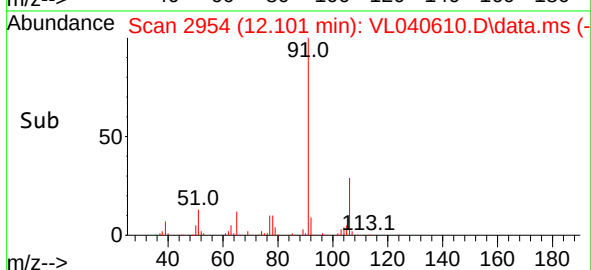
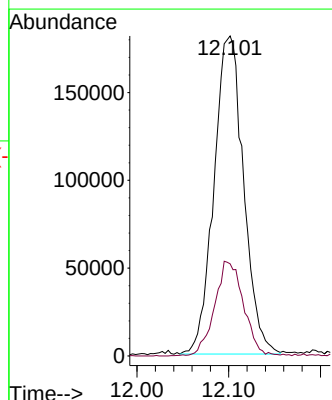
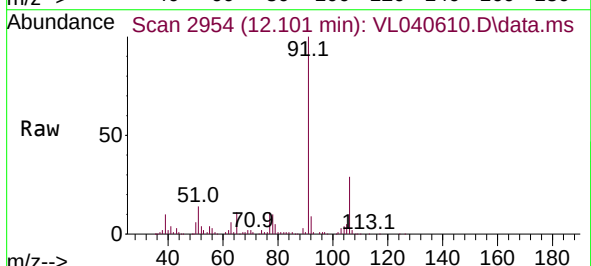
Acq: 9 Aug 2023 17:57

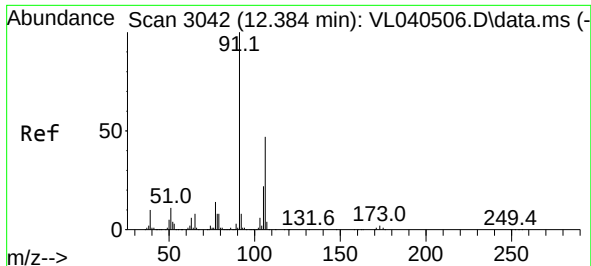
Tgt Ion: 91 Resp: 406862

Ion Ratio Lower Upper

91 100

106 28.8 25.4 38.0





#59

m/p-Xylene

Concen: 3.361 ppbv

RT: 12.355 min Scan# 3042

Delta R.T. -0.029 min

Lab File: VL040610.D

Acq: 9 Aug 2023 17:57

Instrument :

MSVOA_L

ClientSampleId :

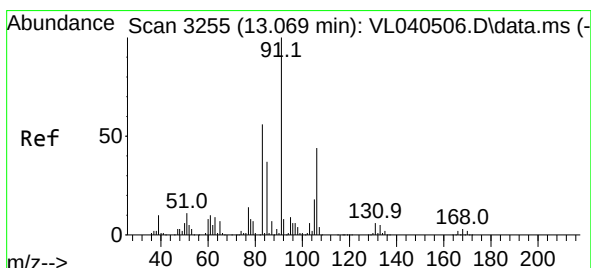
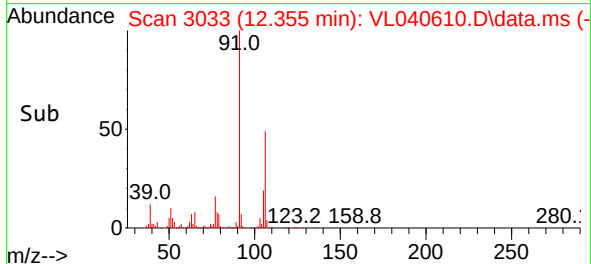
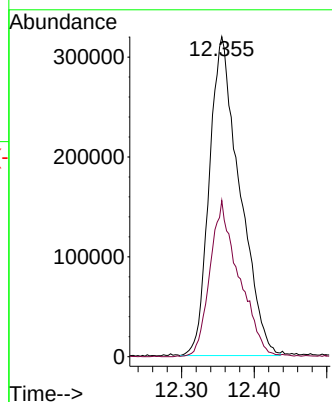
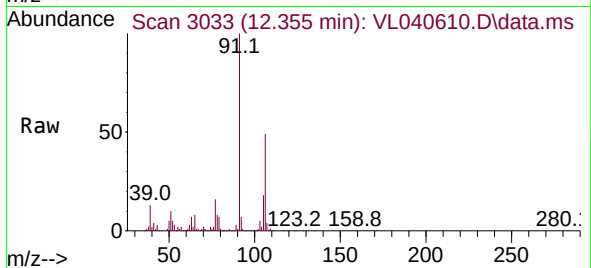
SV-1

Tgt Ion: 91 Resp: 931311

Ion Ratio Lower Upper

91 100

106 47.2 35.9 53.9



#60

o-Xylene

Concen: 1.363 ppbv

RT: 13.069 min Scan# 3255

Delta R.T. -0.000 min

Lab File: VL040610.D

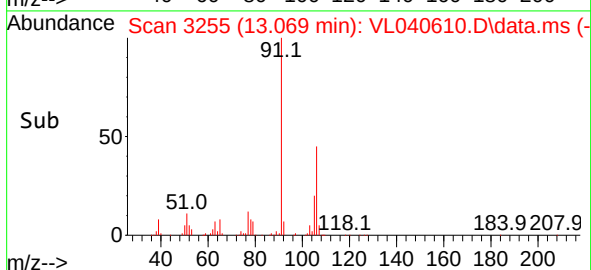
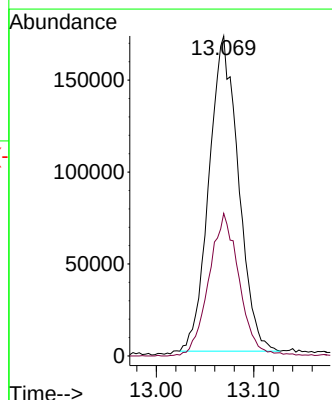
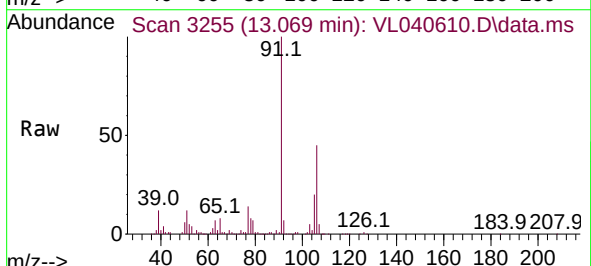
Acq: 9 Aug 2023 17:57

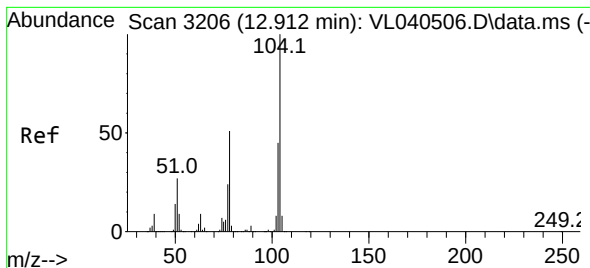
Tgt Ion: 91 Resp: 359692

Ion Ratio Lower Upper

91 100

106 46.7 22.7 68.0





#61

Styrene

Concen: 0.091 ppbv

RT: 12.908 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL040610.D

Acq: 9 Aug 2023 17:57

Instrument :

MSVOA_L

ClientSampleId :

SV-1

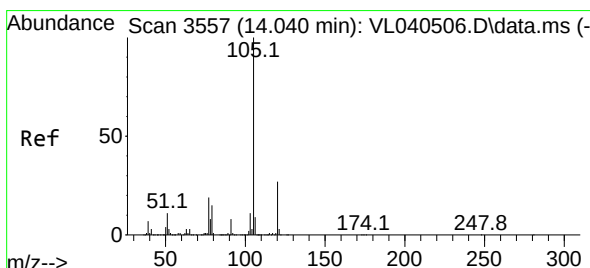
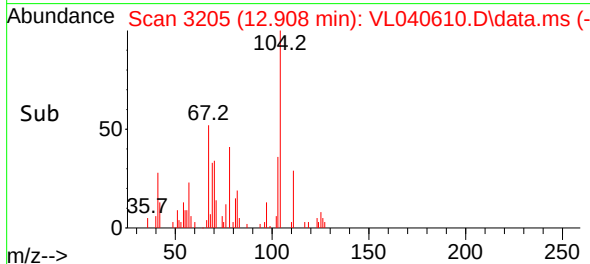
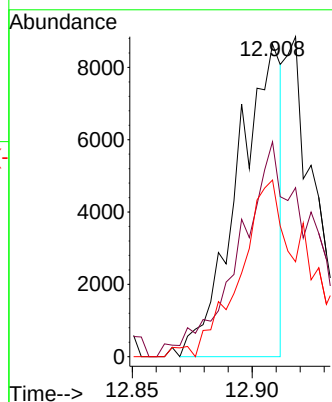
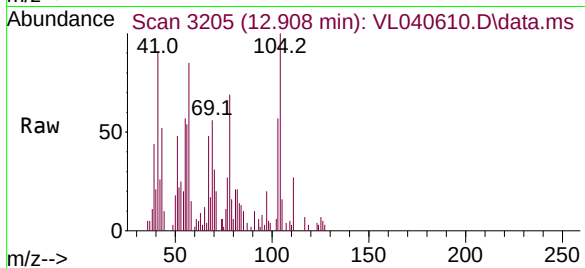
Tgt Ion:104 Resp: 11034

Ion Ratio Lower Upper

104 100

78 143.6 40.1 60.1#

103 89.8 37.0 55.4#



#62

Isopropylbenzene

Concen: 0.065 ppbv

RT: 14.040 min Scan# 3557

Delta R.T. -0.000 min

Lab File: VL040610.D

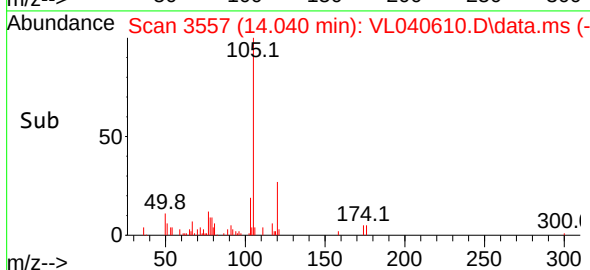
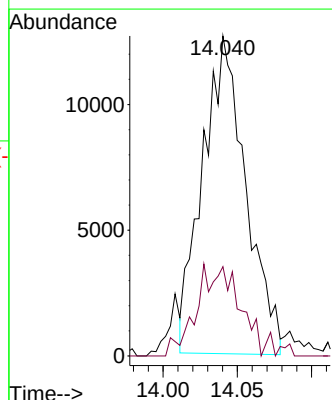
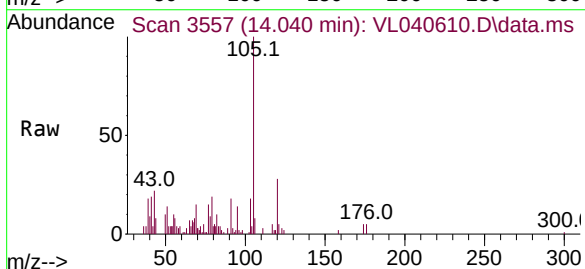
Acq: 9 Aug 2023 17:57

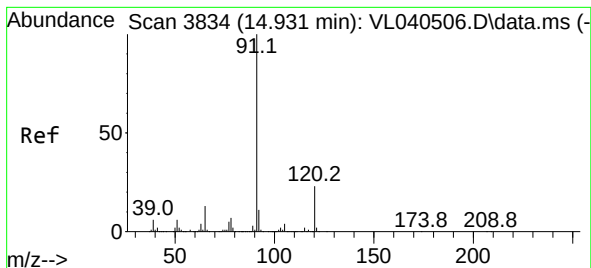
Tgt Ion:105 Resp: 25712

Ion Ratio Lower Upper

105 100

120 29.9 20.8 31.2

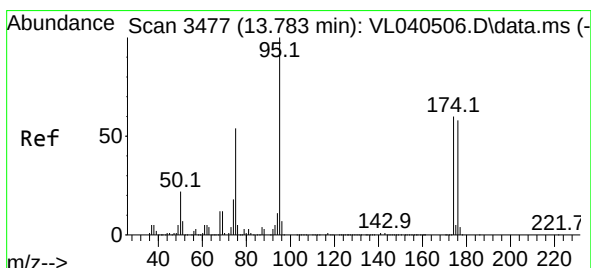
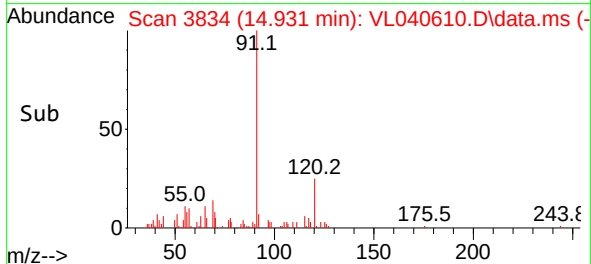
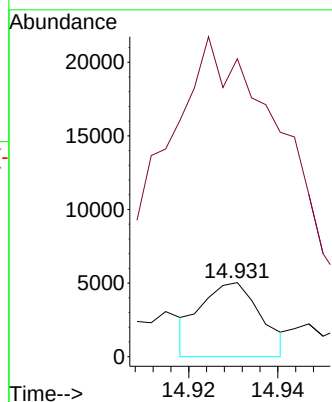
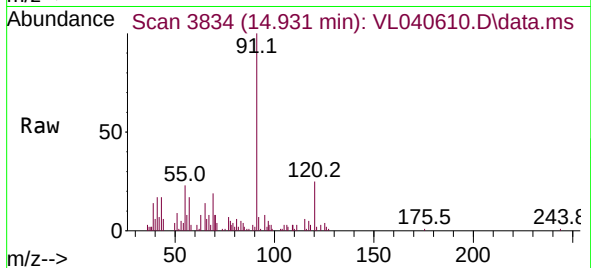




#64
n-propylbenzene
Concen: 0.046 ppbv
RT: 14.931 min Scan# 3834
Delta R.T. -0.000 min
Lab File: VL040610.D
Acq: 9 Aug 2023 17:57

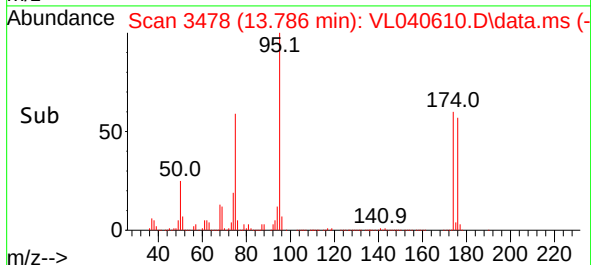
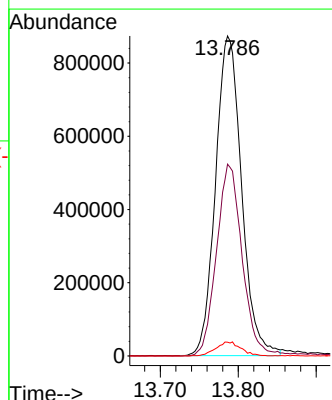
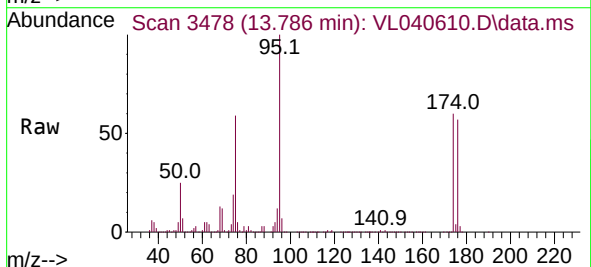
Instrument :
MSVOA_L
ClientSampleId :
SV-1

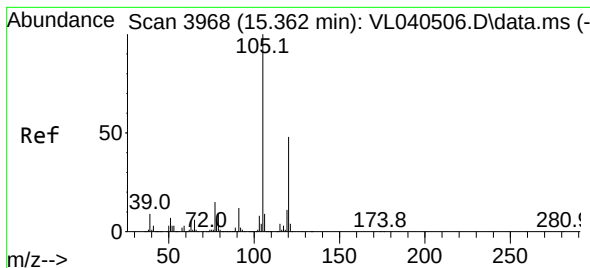
Tgt Ion:120 Resp: 4724
Ion Ratio Lower Upper
120 100
91 1056.9 374.3 561.5#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.362 ppbv
RT: 13.786 min Scan# 3478
Delta R.T. 0.003 min
Lab File: VL040610.D
Acq: 9 Aug 2023 17:57

Tgt Ion: 95 Resp: 2028976
Ion Ratio Lower Upper
95 100
174 60.5 50.6 75.8
175 4.3 3.7 5.5





#73

1,3,5-Trimethylbenzene

Concen: 0.053 ppbv

RT: 15.365 min Scan# 3969

Delta R.T. 0.003 min

Lab File: VL040610.D

Acq: 9 Aug 2023 17:57

Instrument :

MSVOA_L

ClientSampleId :

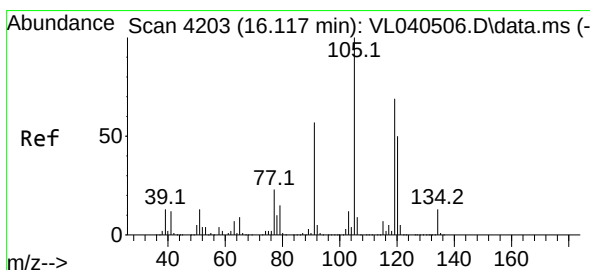
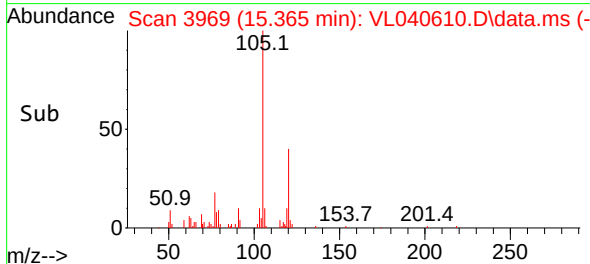
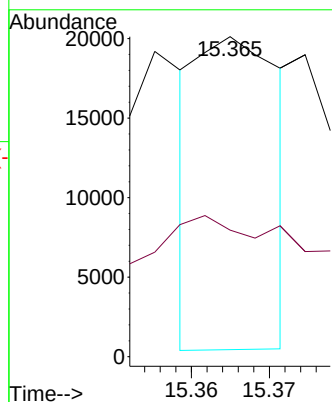
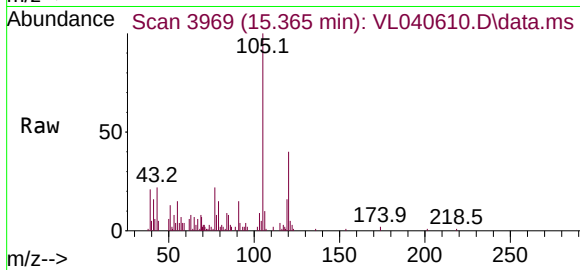
SV-1

Tgt Ion:105 Resp: 14379

Ion Ratio Lower Upper

105 100

120 0.0 38.2 57.2#



#74

1,2,4-Trimethylbenzene

Concen: 0.477 ppbv

RT: 16.121 min Scan# 4204

Delta R.T. 0.003 min

Lab File: VL040610.D

Acq: 9 Aug 2023 17:57

Tgt Ion:105 Resp: 151590

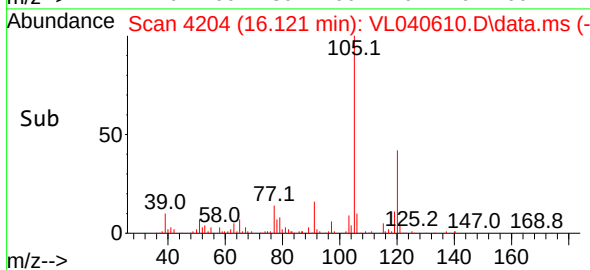
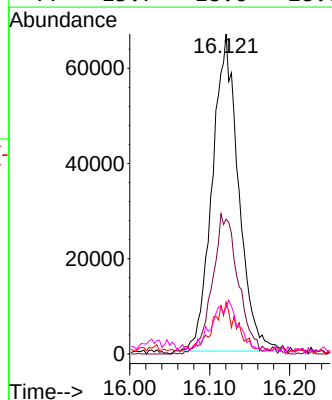
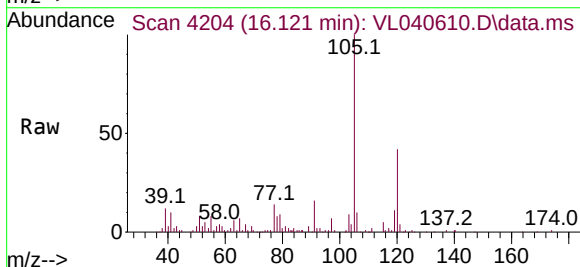
Ion Ratio Lower Upper

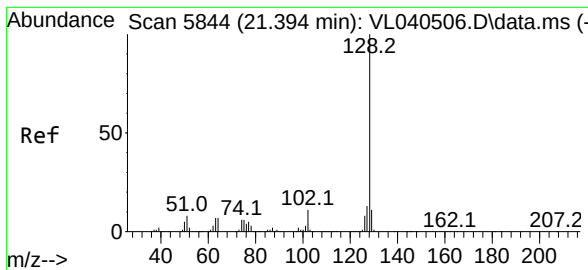
105 100

120 42.2 40.3 60.5

91 15.4 46.8 70.2#

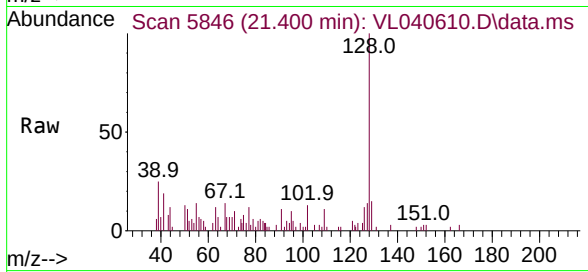
77 13.7 18.6 28.0#





#79
 Naphthalene
 Concen: 0.054 ppbv
 RT: 21.400 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VL040610.D
 Acq: 9 Aug 2023 17:57

Instrument : MSVOA_L
 ClientSampleId : SV-1



Tgt Ion:128 Resp: 14603

Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.7	16.1
129	15.4	9.2	13.8

